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SCIENTIFIC REPORT

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

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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.

CONTENTS

1 | INTRODUCTION

1.1 | Background and Terms of Reference as provided by the requestor

In the context of Article 31 of Regulation (EC) No 178/2002, EFSA was asked by the European Commission DG SANTE to provide technical assistance in the field of plant health as regards the regulated harmful organism *Xylella fastidiosa*, as per letter to EFSA's Director dated 30 June 2016 (Reference ARES (2016) 3126989).

EFSA was requested to further specify and update the host plants database of *X. fastidiosa* available in 2016 (EFSA, 2016) taking into account the different *X. fastidiosa* subspecies and strains (with particular reference to the European isolates), with the inclusion of information on non-susceptible plants and varieties and negative results of diagnostic tests when available. EFSA was requested to maintain and update this database periodically and to make new releases available on the EFSA website, together with a Scientific Report. The database should focus on plants confirmed to be infected by at least two detection methods in field conditions or via vector transmission under experimental conditions. Such request was for the period 2016–2020.

This mandate was extended by the European Commission DG SANTE for the period 2021–2026, with the aim to continue the update of that database. EFSA is requested to deliver two updates per year of the database.

1.2 | Interpretation of the Terms of Reference

EFSA delivered in September 2018 a renovated database of host plants of *Xylella* spp., taking into account both species of the genus *Xylella* (*X. fastidiosa* and *X. taiwanensis*) (EFSA, 2018), which was last updated in July 2024 (EFSA, 2024). Raw data and interactive reports were published in Zenodo[1] in the EFSA Knowledge Junction community and in Microstrategy[2] platform, together with a Scientific Report.

As per terms of reference (ToR), EFSA was requested to maintain and update the *Xylella* spp. host plant database for the period 2021–2026, and to publish new releases online together with a report twice per year. This Scientific Report provides a new update on the database of host plants of *Xylella* spp. published in July 2024 (EFSA, 2024). An extensive literature search was conducted to retrieve recent publications on the topic and new informative data on host plant species of *Xylella* spp. were collected. Such report provides information on the literature review and a detailed view on the currently known host plants of *Xylella* spp.

2 | DATA AND METHODOLOGIES

The methodologies developed for the *Xylella* spp. host plant database published in 2018 (EFSA, 2018) were applied in this report.

The process was divided in the following steps:

- Extensive literature search to identify relevant references.
- Selection of studies based on title, abstract and full text.
- Data extraction of relevant information.
- Data analysis and reporting.

2.1 | Extensive literature search

The review question, 'Which plant species can host *Xylella*/*Xylella* associated disease?' was broken down into key stages using the P/O conceptual model described in the EFSA systematic review guidance (EFSA, 2010):

- Population of interest (P)

  The population of interest is that of plant species, worldwide.

- Outcome (condition of interest) (O)

  The outcome (condition of interest) is that of *Xylella* spp. infection.

Two main elements were considered for the extensive literature search: the sources of information (Table 1) to be consulted and the search strategy (Table 2).

[1] https://doi.org/10.5281/zenodo.1339343.

[2] https://www.efsa.europa.eu/en/microstrategy/xylella.

2.1.1 | Information sources

The search strategy was run in all databases listed in Table 1 via the Web of Science (Clarivate Analytics) and Scopus platforms with no language or document type restriction.

TABLE 1 Sources of information.

Database	Platform
Scopus	Scopus
BIOSIS Citation Index	Web of Science
CABI: CAB Abstracts®	
Chinese Science Citation DatabaseSM	
Current Contents Connect	
Derwent Innovations Index	
FSTA® – the food science resource	
Grants Index	
KCI-Korean Journal Database	
MEDLINE®	
Preprint Citation Index	
ProQuest™ Dissertations & Theses Citation Index	
SciELO Citation Index	
Web of Science Core Collection • Science Citation Index Expanded • Social Sciences Citation Index • Arts & Humanities Citation Index • Conference Proceedings Citation Index- Science • Conference Proceedings Citation Index- Social Science & Humanities • Book Citation Index – Science • Book Citation Index – Social Sciences & Humanities • Emerging Sources Citation Index • Current Chemical Reactions • Index Chemicus	
Zoological Record	

2.1.2 | Search terms

The syntax of the search string, developed for the *Xylella* spp. host plants database published in 2018 (EFSA, 2018), was adapted and run into each platform databases listed in Table 1 on 15 July and 19 November 2024. As the scope of the search was to retrieve references published after January 2024, the selected time span was from 1 January 2024 up to 30 June 2024. The search strings and the number of retrieved references are shown in Table 2.

TABLE 2 Search strings and results.

Platform	Query	Results
Scopus	(TITLE-ABS-KEY (xylella OR xyllela OR xylela OR (pierce* W/2 disease) OR (((plum OR plums) AND "leaf scald*")) OR ((phony W/2 (peach* OR disease*))) OR ((citrus AND variegat* AND chlorosis)) OR crespera OR "almond leaf scorch*" OR "bacterial leaf scorch*" OR "coffee leaf scorch*" OR "mulberry leaf scorch*" OR "oleander leaf scorch*" OR "sycamore leaf scorch*" OR "Periwinkle wilt" OR "Ragweed stunt" OR ((olive W/50 "quick decline syndrome")) OR "Xylem inhabiting bacteri*" OR "Xylem limited bacteri*" OR fxib OR fxjb OR "rickettsialike bacteri*" OR "rickettsia like bacteri*")) AND (ORIG-LOAD-DATE >20230701 AND ORIG-LOAD-DATE <20231231))	67
Web of Science	TS = (xylella OR xyllela OR xylela OR (pierce* NEAR/2 disease) OR (((Plum OR plums) AND "leaf scald*")) OR ((Phony NEAR/2 (peach* OR disease*))) OR ((citrus AND variegat* AND chlorosis)) OR crespera OR "almond leaf scorch*" OR "bacterial leaf scorch*" OR "coffee leaf scorch*" OR "mulberry leaf scorch*" OR "oleander leaf scorch*" OR "sycamore leaf scorch*" OR "Periwinkle wilt" OR "Ragweed stunt" OR ((Olive NEAR "quick decline syndrome")) OR "Xylem inhabiting bacteri*" OR "Xylem limited bacteri*" OR FXIB OR FXJB OR "rickettsialike bacteri*" OR "rickettsia like bacteri*")	99

The collected references were downloaded and imported into an EndNote X9 library (Clarivate Analytics). Duplicates and references already included in the update published in July 2024 (EFSA, 2024) were removed using EndNote X9 and the remaining references were uploaded on DistillerSR online[3] together with the full texts in portable document format (pdf).

Eight Europhyt outbreak notifications[4] (accessed on 16 September 2024) were also included.

2.2 | Study selection

The collected references were screened for relevance in two steps:

1. Title and abstract screening.
2. Full-text screening of the references that passed the first step.

Inclusion/exclusion criteria were applied in each step and two reviewers worked in parallel screening the references.

The first step required the reviewers to answer two questions, listed in Table 3, considering only title and abstract of the references. The aim of this step was to select only references presenting original research data on *Xylella* or *Xylella*-associated disease.

TABLE 3 Inclusion/exclusion criteria for title and abstract screening.

Question text	Type of answer	Answer text	Exclusion criteria
Is *Xylella*/a *Xylella* associated disease/a *Xylella* synonym the topic of the study?	Only one of the possible alternative answers can be selected	Yes	Included
		No	Excluded
Is it a primary research study?	Only one of the possible alternative answers can be selected	Yes	Included
		No	Excluded

The references that passed the first step, were submitted to the full text screening. This second step required the reviewers to answer four questions (Table 4): three of them are descriptive (neutral) whereas the fourth has an inclusion/exclusion role.

TABLE 4 Inclusion/exclusion criteria at full text screening.

Question text	Type of answer	Answer text	Exclusion criteria
Is an English abstract present?	Only one of the possible alternative answers can be selected	Yes	Neutral
		No	Neutral
Which is the type of the publication?	Only one of the possible alternative answers can be selected	Peer-reviewed article	Neutral
		Article	Neutral
		Book	Neutral
		Conference proceedings	Neutral
		Abstract	Neutral
		Technical publication/report	Neutral
		Other	Neutral
Is the *Xylella* host plant the main scope of the study?	Only one of the possible alternative answers can be selected	Yes	Neutral
		No	Neutral
Is *Xylella*/a *Xylella*-associated disease/a *Xylella* synonym studied in association with a host plant?	Only one of the possible alternative answers can be selected	Yes	Included
		No	Excluded

2.3 | Data extraction

Informative data listed in Table 5 were extracted from the selected references. For each reference, the first reviewer performed the data extraction whereas the second reviewer conducted the quality check of the extracted data. Data extraction from each reference can generate one or several records. A record is defined as a unique combination of data related to a detection event, and it corresponds to a single Excel row of the files published in Zenodo (see Section 2.4.1).

[3] https://www.evidencepartners.com/.

[4] https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network_en.

TABLE 5 Data extraction structure.

Extracted data	Description
General information	*In this section, the general information about the study is reported*
RecordID	Unique number allocated to each row
RefID	Unique number allocated to each reference within the DistillerSR software
Reference	Full reference
Publication year	Year of the publication
Starting year	Starting year of the study, as reported in the publication
Ending year	Ending year of the study, as reported in the publication
Botanical identification	*The botanical identification of the plant, both as reported in the publication and according to the updated taxonomy of the EPPO Global Database,[5] is reported in this section*
Plant EPPO code	EPPO code of the plant species, from the EPPO global database.[5] For plant species not present in the EPPO global database, a new code was created in the EFSA catalogue
Plant family	Plant family, from the EPPO global database[5]
Plant genus	Plant genus, from the EPPO global database[5]
Plant species	Plant species, from the EPPO global database[5]
Reported plant species	Name of the plant species as reported in the publication
Common name	Common name of the plant species, as reported in the publication
Cultivar	Cultivar or plant variety, as reported in the publication
Infection information	*Detailed information about the infection and location of the plant is reported in this section*
Infection method (Level 1)	The infection of the plant can be natural, artificial or not specified
Infection method (Level 2)	Subcategories of natural infection: during survey activity, during research activity. 'Research activity' is used when plants are planted under natural inoculum pressure and infection development was monitored without interfering Subcategories of artificial infection: mechanical inoculation (detailed at level 3a), vector transmission (detailed at level 3b)
Mechanical inoculation (Level 3a)	Subcategories of mechanical inoculation: budding, grafting, needle, root uptake, stem absorption, syringe
Infection vector species (Level 3b)	Insect species used in artificial vector transmission
Location type	The place where the plant was placed: natural habitat, greenhouse, screenhouse, interception, not specified
Geographic information	*In this section, the geographical location of the plant is reported, as detailed as possible. In case of intercepted plants, the reported location is the geographical origin of the plant and not the country and location where it was intercepted*
Country code	From the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Country	From the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Location	Location description (state/region/province/municipality) from the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Additional Location	Additional information on the location, as reported in the publication
Coordinates precision	Coordinates as reported in the publication
Latitude	Latitude, as reported in the publication
Longitude	Longitude, as reported in the publication
Pest description	*Information about the pest is reported in this section, together with genetic data*
Pest EPPO code	EPPO code of the pest, from the EPPO global database[5]
Pest species	Name of *Xylella* spp., from the EPPO global database[5]
Pest subspecies	*Xylella fastidiosa* subspecies, from the EPPO global database[5]. If the subspecies is inferred from another publication, a note is added to comment on the genotyping
Reported pest	Name of *Xylella* spp. as reported in the publication. Names used before the genus *Xylella* was established (up to 1987): Alfalfa dwarf virus, Morus suffodiens virus, Phony peach bacterium, Pierce's disease bacterium, Pierce's disease virus, *Rickettsia*-like bacteria, rod-shaped bacteria, xylem-inhabiting bacteria. Names used from 1987 (when the genus *Xylella* was established): *Xylella fastidiosa*, *Xylella taiwanensis*
Disease	Name of the disease caused by *Xylella* spp., as reported in the publication: Alfalfa dwarf, Almond leaf scorch, Bacterial leaf scorch, Blueberry bacterial leaf scorch, Citrus variegated chlorosis, Coffee leaf scorch, Coffee stem atrophy, Crespera, Elm leaf scorch, Leaf scorch disease, Mulberry leaf scorch, Oleander leaf scorch, Olive quick decline syndrome, Pear leaf scorch, Pecan bacterial leaf scorch, Periwinkle wilt, Phony peach disease, Pierce's disease, Plum leaf scald, Potato purple top disease, Ragweed stunt, Sweetgum dieback, Sycamore leaf scorch

[5] https://gd.eppo.int/.

TABLE 5 (Continued)

Extracted data	Description
Strain	Name of the strain of *Xylella* spp., as reported in the publication
MLST (Multilocus sequence type)	Sequence type (ST) of *Xylella fastidiosa*, as reported in the publication. If the ST is inferred from another publication, a note is added in the genotyping comment
Genotyping comment	Comment or additional information regarding the pest
Methods of identification	*In this section, the identification methods applied to detect Xylella* spp. *infection are listed. Eight detection methods were considered and for each of them, the outcome of the analysis (positive or negative), together with the number of infected plants and the total number of analysed plants, were reported. Moreover, additional information could be added in the comment column beside each detection method*
Symptoms	Observation of symptoms in the plant, as reported in the publication
Symptoms expression in test plants	Observation of symptom development in test plants after an attempt to transmit the pathogen through vectors
Culture	Pure culture isolation (i.e. isolation of cultivable bacteria from tissue samples on solid culture media)
Microscopy	Observation of *Xylella* spp. bacteria through microscopic analysis techniques
ELISA	Enzyme-linked immunosorbent assay
Other immunological techniques	Immunological techniques other than ELISA
PCR-based methods	Polymerase chain reaction-based methods (PCR, nested PCR, qPCR, etc.)
Sequencing	Sequence analysis
Host status	*Information about the tolerance and resistance response of the plant*
Tolerance/resistance reported	Tolerant/resistant status of the plant, as reported in the publication
Tolerance/resistance category	Categories describing the response of the tolerant/resistant plant: lack of infection or negative reading, lack of systemic movement, lack or reduction of symptoms, lack or reduction of symptoms – lower bacterial population, lack or reduction of symptoms – lower bacterial population – lower disease incidence, lack or reduction of symptoms – lower disease incidence, lower bacterial population, lower bacterial population – lower disease incidence, lower disease incidence, infection not persistent, reported as tolerant/resistant (no details)
Tolerance/resistance comment	Comment on the tolerant/resistant response of the plant, as reported in the publication
Additional information	
Comment	Additional relevant information or comment on the study
Confirmed record	'Yes' for confirmed records, 'No' for unconfirmed/dubious records. Unconfirmed records were included in the data extraction but excluded from the data analysis

2.4 | Data warehouse

A harmonised data model has been established to collect data on *Xylella* spp. host plants. The aim was to establish a harmonised data flow for the collection and the collation of an extensive literature review generated data in the plant health domain. Data are stored in EFSA Scientific Data Warehouse (S-DWH), after that an ETL (Extract, Transform, Load) procedure is applied in order to harmonise and calculated the statistics.

2.4.1 | Data management

The collected data have been submitted to the EFSA Data Collection Framework (DCF). DCF is the upfront system in the EFSA pipeline of data collection tools and allows a first step of harmonisation against the EFSA controlled reference terminology (aka EFSA catalogues). Data have been then included in the S-DWH by means of a standardised extract transform load (ETL) procedure and they have been further analysed and managed to generate needed statistics.

Data are available as interactive reports on the Microstrategy platform at the following link: https://www.efsa.europa.eu/en/microstrategy/xylella.

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 11** (https://doi.org/10.5281/zenodo.1339343).

2.4.2 | Data reporting

Data reporting was designed to distinguish the *Xylella* spp. host plant species, based on the number and type of detection methods applied for each finding. Different combinations of detection methods were considered:

A. Plant species positive with at least two detection methods (among: ELISA, other immunological techniques, PCR-based methods, symptoms observation on the test plant in experimental vector transmission) or positive with one method (between sequencing and pure culture isolation).

B. All plant species included in category A, plus plant species positive with at least two detection methods (including microscopy).

C. All plant species included in category B, plus plant species positive with at least one detection method (among: ELISA, other immunological techniques, PCR-based methods, symptoms observation on the test plant in experimental vector transmission).

D. All plant species included in category C, plus plant species positive with microscopy.

E. All positive plant species reported, regardless of the detection methods applied (including positive records but without the detection method specified, ELISA, microscopy, other immunological techniques, PCR-based methods, pure culture isolation, sequencing, symptom observations, symptoms observation on the test plant in experimental vector transmission).

3 | RESULTS

3.1 | Results of the literature review

The extensive literature search was conducted on 15 July and 19 November 2024 on Web of Science and Scopus platforms and 166 references were collected. Duplicates and references already included in EFSA (2024) were removed and 97 references were uploaded in DistillerSR and screened for relevance. Results of the screening process are shown in Figure 1.

In the first step, i.e. title and abstract screening, 58 references were excluded either because they do not focus on *Xylella* or *Xylella* associated diseases and/or they are not primary research studies. The selected 39 references were subjected to the second step of the screening process, i.e. the full-text screening. Nineteen references, in which *Xylella* spp. are studied in association with a host plant, were selected. Eight Europhyt outbreak notifications[6] containing informative data and two additional references were also included in the data extraction. Totally, 27 references (listed in Appendix E) were included in this update of the database and from which informative data listed in Table 5 were extracted.

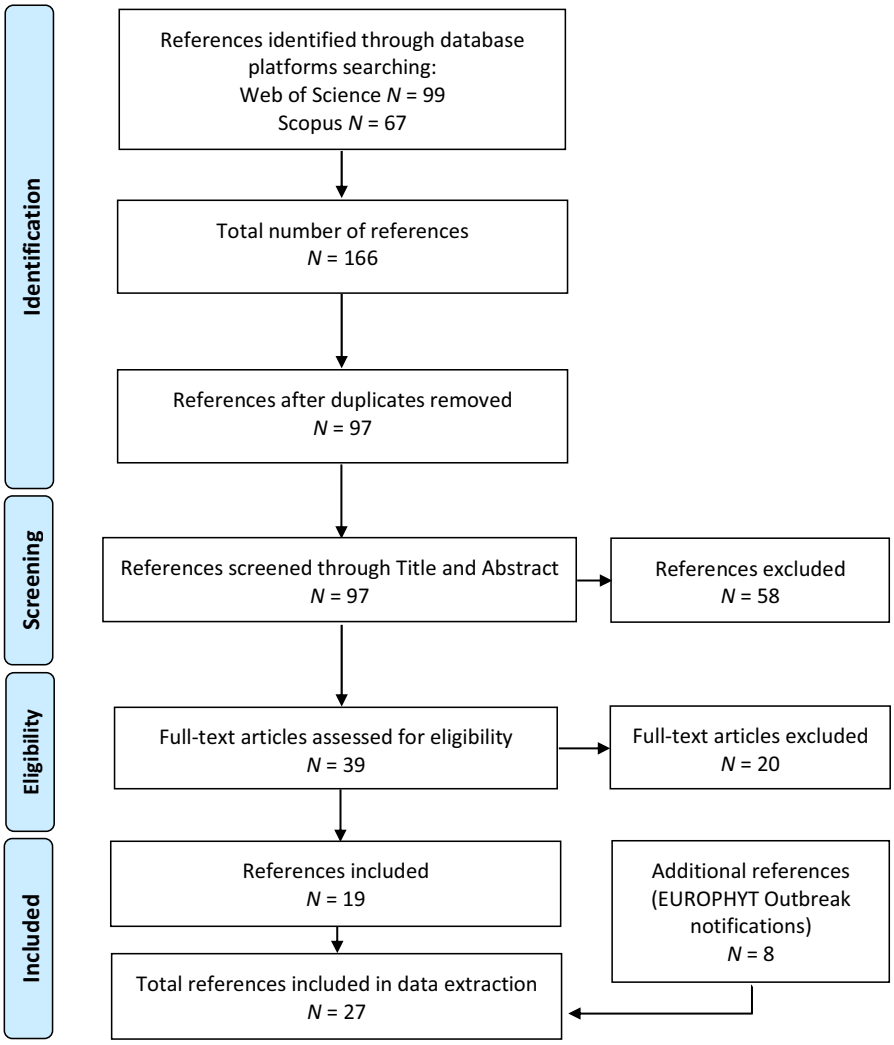

FIGURE 1 Flow diagram of the screening process.

[6]https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network_en.

Two scientific papers (by Bruno, 2024 and by Pagano et al., 2024) were reviewed but then listed in the database as not confirmed, because the infection by *X. fastidiosa* was based on symptoms only without any diagnostic test confirming the infection. Nine records on mixed infection by different *X. fastidiosa* from Spain were also added to the not yet confirmed records, because of the pending results for ST types (Europhyt notification n. 124 – Update 35). All records listed as not yet confirmed in the database are periodically reviewed in case new evidence arise.

3.2 | Update of records already included in the database

Scientific names of plant species, genera and families are reported, as far as possible, according to the taxonomy of the EPPO Global Database (EPPO, 2024) that is constantly being updated. Therefore, changes of scientific names of plant species, genera and families in the *Xylella* spp. host plant database are related to the update of the taxonomy in the EPPO Global Database.

Records referring to Europhyt outbreak notifications, that may contain incomplete data, are updated whenever additional information (e.g. further identification of the plant species, *X. fastidiosa* subspecies, ST) become available.

Five records in the reference RefID 3995 (Velasco-Amo et al., 2022) already included in the previous versions of the database have been updated following a correction of the article RefID 4582 (Velasco-Amo et al., 2024). Information on ST and plant species reported in Table 1 of Velasco-Amo et al. (2024) was corrected as indicated in RefID 4582: *X. fastidiosa* subsp. *multiplex* strains RH1 (RecordID 12268) and LM10 (RecordID 12267) belong to ST7 instead of ST6; *X. fastidiosa* subsp. *multiplex* Fillmore (RecordID 12266) belongs to ST81 instead of ST6; regarding to *X. fastidiosa* subsp. *multiplex* ST6 IVIA6586-2 (RecordID 12291), this was isolated from *Helicrysum italicum*, and IVIA6629 (RecordID 12292) was isolated from *Rhamnus alaternus* instead than from *Prunus dulcis*.

3.3 | Host plant species of *Xylella* spp.

The updated numbers of host plant species, genera and families (according to the different categories reported in Section 2.4.2) are reported in Figure 2 and Table 6. The number of plant species raised to 452 according to category A [i.e. plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation)] to 713 plant species of category E (i.e. all positives plant species reported, regardless of the detection methods).

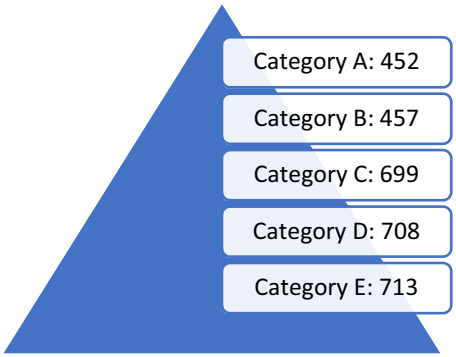

FIGURE 2 Number of host plant species according to the different categories (as described in Section 2.4.2). Plant species in category A are included in category B; plant species in category B are included in category C; plant species in category C are included in category D; plant species in category D are included in category E.

TABLE 6 Number of host plant species, genera and families of *Xylella* spp. according to categories A, B, C, D, E (based on the detection methods applied – see Section 2.4.2).

	A	B	C	D	E
Number of host plant species	452	457	699	708	713
Number of host plant genera	204	205	311	311	312
Number of host plant families	70	70	89	89	89

Compared to the previous update of the database published in July 2024 (EFSA, 2024), one taxa was added to the database (Table 7). The plant species was identified as infected by *X. fastidiosa* subsp. *fastidiosa* in natural conditions in the EU (Portugal). Neither new plant genera nor plant family were inserted in the database.

TABLE 7 New host plants of *X. fastidiosa*. For each host plant, the infection method, the country, the *X. fastidiosa* subspecies and the category (see Section 2.4.2) are reported. The new family, new genera and new plant species are highlighted in bold.

Plant EPPO code	Plant family	Plant genus	Plant species	Infection method	Country	Xf subspecies	STs	Category
QUEOR	Fagaceae	*Quercus*	***Quercus orocantabrica***	Natural	Portugal	*fastidiosa*	Unknown	A

The overall number of host plant species infected naturally, artificially and in unspecified conditions by the different *X. fastidiosa* subspecies and according to the different categories are reported in Tables 8–10. The plant species behind the numbers shown in those tables are listed in Appendices A–C. In those appendices, the full lists of plant species infected by the different *X. fastidiosa* subspecies naturally, artificially and in not specified conditions according to the five categories are shown.

The highest number of plant species naturally infected is still recorded for *X. fastidiosa* subsp. *multiplex* (230 according to category A, up to 237 for category E), followed by subsp. *fastidiosa* and subsp. *pauca*. In artificial infection, 43 plant species (category A and 85 for category E) were successfully infected by *X. fastidiosa* subsp. *fastidiosa*. Twenty plant species were artificially infected by subsp. *pauca* and 21 by subsp. *multiplex* (category A), up to 36 and 39 for category E (for *pauca* and *multiplex*, respectively).

No new host plants were reported for the pathogen species *Xylella taiwanensis*, that so far was recorded only in *Pyrus pyrifolia* plants.

TABLE 8 Number of host plant species, naturally infected, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	*fastidiosa*	*fastidiosa_sandyi*	*morus*	*multiplex*	*pauca*	*sandyi*	*tashke*	Unknown
A	75	2	4	230	55	7	1	201
B	75	2	4	230	55	7	1	206
C	78	2	4	237	59	8	1	408
D	78	2	4	237	59	8	1	414
E	78	2	4	237	59	8	1	425

TABLE 9 Number of host plant species, artificially infected, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	*fastidiosa*	*morus*	*multiplex*	*pauca*	*sandyi*	*tashke*	Unknown
A	43	2	21	20	5	0	89
B	44	2	21	21	5	0	94
C	84	2	38	36	11	1	202
D	84	2	38	36	11	1	208
E	85	2	39	36	11	1	216

TABLE 10 Number of host plant species, infected in unspecified conditions, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	*fastidiosa*	*multiplex*	*pauca*	*sandyi*	Unknown
A	7	13	8	1	16
B	7	13	8	1	18
C	7	16	8	2	27
D	7	16	8	2	29
E	7	16	8	2	31

3.4 | *X. fastidiosa* sequence types and host plants association

The full list of plant species infected by the different *X. fastidiosa* sequence types (ST) under natural, artificial and unspecified conditions is reported in Appendix D. For each plant species, the number of records[7] reporting infection by a specific

[7]'Record' as defined in Section 2.3.

ST is counted. For natural infection, the country where the plant species have been identified is also reported, whereas for artificial and unspecified infection, only the total number of records is presented in the Appendix.

Forty-seven records reporting information of plant species infected by different STs were added to this update of the database, for a total number of 2857 records with information on 270 plant species and 89 different STs. No additional STs have been identified compared to the previous version of the database (EFSA, 2024). Most of the records (1988) refer to natural infections that were reported in North, Central and South America (United States of America, Mexico, Honduras, Costa Rica, Ecuador, Brazil and Argentina), Asia (Israel) and Europe (Portugal, Spain, France and Italy). ST53 (subsp. *pauca*) is still the most reported ST in natural infections (498 records), while ST1 (subsp. *fastidiosa*) remains the most used ST in artificial infections (315 records).

In particular, when looking at natural infections, in the new outbreak of *X. fastidiosa* subsp. *fastidiosa* ST1 in Apulia, which was reported for the first time in Italy (Europhyt notification n. 2529 – Update 2-5), *Vitis vinifera*, *Polygala myrtifolia*, *Prunus avium* and *Prunus dulcis* were reported to be naturally infected by ST1. Photos of Pierce's disease in *Vitis* in California (caused by *X. fastidiosa* subsp. *fastidiosa* ST1) are reported in Figure 3. In Portugal, *Genista tridentata* and *Cytisus* sp. were reported to be naturally infected by ST1 (respectively Europhyt notification n. 2099 – Update 1- and Europhyt notification n. 2139 – Update 3). *Vaccinium virgatum* was found naturally infected by *X. fastidiosa* subsp. *fastidiosa* ST1 in South Carolina (USA) (Cieniewicz et al., 2024).

For *X. fastidiosa* subsp. *multiplex* natural infections were reported: in Apulia (Italy) for *Prunus dulcis* naturally infected by ST26 (Europhyt notifications n. 2529 – Update 2-5 and n. 2549 – Update 00-01); in Portugal natural infections were reported by *X. fastidiosa* subsp. *multiplex* (ST type not determined) for *Cytisus* sp. (Europhyt notification n. 753 – Update 24) and for *Ulex micranthus* (Europhyt notification n. 753 – Update 24).

Other host plant species, recorded in literature by natural infection by *X. fastidiosa* (without indication of subspecies or ST type) or by artificial infection, were also added to the database.

FIGURE 3 Photos of *Xylella* Pierce's disease in grapes provided by courtesy of Alexandra Kahn and Monica Donegan, University of California Berkeley: (A) leaf scorch on red grapes, (B) shrivelled berries, (C) matchstick petioles and drying leaves on white, (D) disease spreading from the left side of the plant.

3.5 | Tolerant and resistant responses of plant species

Information on tolerant and resistant response of plant species to *X. fastidiosa* infection have also been reported in the database. The list of plant genera and species for which tolerant and resistant responses have been identified is reported in Table 11. Different tolerant/resistant responses to *X. fastidiosa* infection have been grouped into 11 categories, as reported in Table 12. Those categories include the plant response/s for which the authors of the publication considered that plant as tolerant/resistant to *X. fastidiosa* infection.

Compared to the previous version of the database (EFSA, 2024), one record for *Prunus dulcis* reporting tolerance or resistance responses to *X. fastidiosa* was added to the database. The overall number of records of plant species with tolerance or resistance responses to *X. fastidiosa* is 781, and the most studied genera remains *Vitis*, *Citrus* and *Prunus* (Table 11). The new record added to the database was extracted from one recent publication, on natural infection (Table 12).

TABLE 11 Number of records reporting tolerant/resistant response for plant genus and species.

Plant genus and species	Number of records reporting tolerant/resistant response
Arabidopsis	**4**
Arabidopsis thaliana	4
Citrus	**179**
Citrus celebica	1
Citrus medica	1
Citrus natsudaidai	1
Citrus reticulata	9
Citrus reticulata × *C. sinensis* × *C. paradisi*	1
Citrus sp.	71
Citrus trifoliata	3
Citrus × *aurantium* var. *clementina*	4
Citrus × *aurantium* var. *paradisi*	5
Citrus × *aurantium* var. *sinensis*	8
Citrus × *aurantium* var. *tangerina*	32
Citrus × *junos*	1
Citrus × *latifolia*	1
Citrus × *limon*	14
Citrus × *limon* var. *limettioides*	1
Citrus × *limonia* var. *jambhiri*	2
Citrus × *nobilis*	11
Citrus × *tangelo*	13
Coffea	**5**
Coffea arabica	4
Coffea sp.	1
Fortunella	**1**
Fortunella margarita	1
Medicago	**2**
Medicago sativa	2
Olea	**47**
Olea europaea	47
Platanus	**2**
Platanus sp.	2
Populus	**1**
Populus × *canescens*	1
Prunus	**71**
Prunus angustifolia	1
Prunus armeniaca	3
Prunus avium	5
Prunus cerasus	2
Prunus domestica	3
Prunus dulcis	19
Prunus persica	7
Prunus salicina	14
Prunus sp.	15
Prunus × *hybrida*	2
Quercus	**2**
Quercus ilex	2
Vaccinium	**10**

TABLE 11 (Continued)

Plant genus and species	Number of records reporting tolerant/resistant response
Vaccinium corymbosum	6
Vaccinium sp.	4
Vitis	**457**
Vitis aestivalis	4
Vitis aestivalis var. *smalliana*	4
Vitis aestivalis var. *smalliana* × *V. simpsonii*	4
Vitis aestivalis var. *smalliana* × *V. vinifera*	1
Vitis arizonica	104
Vitis arizonica hybrid	6
Vitis arizonica × *V. rupestris*	6
Vitis arizonica × *V. vinifera*	1
Vitis arizonica/candicans	3
Vitis arizonica/candicans × *V. rupestris*	2
Vitis arizonica/girdiana	1
Vitis berlandieri	9
Vitis berlandieri × *V. rupestris*	4
Vitis berlandieri × *Vitis riparia*	6
Vitis candicans	23
Vitis champinii × (*V. solonis* × *V. othello*)	1
Vitis cinerea	7
Vitis cinerea var. *floridana*	1
Vitis cinerea × *V. berlandieri*	2
Vitis girdiana	20
Vitis monticola	4
Vitis munsoniana	3
Vitis nesbittiana	2
Vitis popenoei	1
Vitis riparia	19
Vitis rotundifolia	59
Vitis rotundifolia × *V. rupestris*	1
Vitis rufotomentosa	1
Vitis shuttleworthii	5
Vitis sp.	76
Vitis tiliaefolia	1
Vitis treleasei	6
Vitis vinifera	64
Vitis vinifera hybrid	6
Total	**781**

TABLE 12 Number of records and publications for tolerance/resistance category.

Tolerance/resistance category	Number of records			Number of publications
	Artificial infection	Natural infection	Infection not specified	
Lack of infection or negative reading	43	78		15
Lack of systemic movement	52			9
Lack or reduction of symptoms	95	79		15
Lack or reduction of symptoms – Lower bacterial population	44	15		22

(Continues)

TABLE 12 (Continued)

Tolerance/resistance category	Number of records			Number of publications
	Artificial infection	Natural infection	Infection not specified	
Lack or reduction of symptoms – Lower bacterial population – Lower disease incidence	9	2		4
Lack or reduction of symptoms – Lower disease incidence	3	2		2
Lower bacterial population	235	8		24
Lower bacterial population – Lower disease incidence		3		3
Lower disease incidence		6		4
Not persistent infection	5	3		3
Reported as tolerant/resistant_no details	22	28	49	48
Total	**508**	**224**	**49**	**149**

4 | CONCLUSIONS

Following a request from the European Commission, EFSA was asked to create, maintain and regularly update a database of host plant species of *Xylella* spp. This scientific report summarises the most interesting information reported in the new version of the database (**version 11**).

An extensive literature search was performed including all scientific papers published up to 30 June 2024, as well as additional Europhyt outbreak notifications (last accessed on 16 September 2024).

By these searches, 27 publications were selected and informative data were extracted. One plant species was identified as a new host of *X. fastidiosa*. It has been found to be naturally infected by *X. fastidiosa* subsp. *fastidiosa* in Portugal. No new data was retrieved for *X. taiwanensis*.

Compared to the previous version of the database (EFSA, 2024), no additional STs have been identified worldwide. Information on tolerant/resistant status were reported for 73 plant species in 149 publications, with a total number of 781 records.

The overall number of *Xylella* spp. host plants reaches now 452 plant species, 204 genera and 70 families for category A [i.e. plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation)], till 713 plant species, 312 genera and 89 families for category E (i.e. all positives plant species reported, regardless of the detection methods).

A further update of the EFSA database on *Xylella* spp. host plants is planned for June 2025 with the aim to provide useful information and scientific support to risk assessors, risk managers and researchers dealing with *Xylella* spp.

Data are available as interactive reports on the Microstrategy platform at the following link: https://www.efsa.europa.eu/en/microstrategy/xylella.

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 11** (https://doi.org/10.5281/zenodo.1339343).

ABBREVIATIONS

DCF	Data Collection Framework
EFSA PLH Panel	EFSA Panel on Plant Health
ELISA	enzyme-linked immunosorbent assay
EPPO	European and Mediterranean Plant Protection Organisation
ETL	Extract Transform Load
PCR	polymerase chain reaction
S-DWH	EFSA Scientific Data Warehouse
ST	sequence type

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REQUESTOR

European Commission

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APPENDIX A

Host plant species naturally infected

List of host plant species, naturally infected, of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *fastidiosa/sandyi*, subsp. *morus*, subsp. *multiplex*, subsp. *pauca*, subsp. *sandyi*, subsp. *tashke* and *X. taiwanensis* according to categories A, B, C, D, E (as reported in Section 2.4.2):

A. Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

B. The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

C. Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

D. Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

E. All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation).

n.	Plant EPPO code	Plant species	Pest	Category
1	ACADA	*Acacia dealbata*	*Xf* subsp. unknown	A
2	ACALO	*Acacia longifolia*	*Xf* subsp. unknown	A
3	ACAME	*Acacia melanoxylon*	*Xf* subsp. unknown	A
4	ACASA	*Acacia saligna*	*Xf* subsp. unknown	A
5	ACRRB	*Acer rubrum*	*Xf* subsp. unknown	A
6	ACRSS	*Acer* sp.	*Xf* subsp. unknown	A
7	ADCSS	*Adenocarpus* sp.	*Xf* subsp. unknown	A
8	AILAL	*Ailanthus altissima*	*Xf* subsp. unknown	A
9	ALBJU	*Albizia julibrissin*	*Xf* subsp. unknown	A
10	AMARE	*Amaranthus retroflexus*	*Xf* subsp. unknown	A
11	AMBPS	*Ambrosia psilostachya*	*Xf* subsp. unknown	A
12	AMBTR	*Ambrosia trifida*	*Xf* subsp. unknown	A
13	AMCAR	*Ampelopsis arborea*	*Xf* subsp. unknown	A
14	AMCBR	*Ampelopsis brevipedunculata*	*Xf* subsp. unknown	A
15	AMCBH	*Ampelopsis brevipedunculata* var. *hancei*	*Xf* subsp. unknown	A
16	ARDUN	*Arbutus unedo*	*Xf* subsp. unknown	A
17	CHYFR	*Argyranthemum frutescens*	*Xf* subsp. unknown	A
18	ASPAC	*Asparagus acutifolius*	*Xf* subsp. unknown	A
19	BACHA	*Baccharis halimifolia*	*Xf* subsp. unknown	A
20	BACSS	*Baccharis* sp.	*Xf* subsp. unknown	A
21	BRSSS	*Brassica* sp.	*Xf* subsp. unknown	A
22	CLIAM	*Callicarpa americana*	*Xf* subsp. unknown	A
23	CUNVU	*Calluna vulgaris*	*Xf* subsp. unknown	A
24	CYAAQ	*Carya aquatica*	*Xf* subsp. unknown	A
25	CYACA	*Carya cathayensis*	*Xf* subsp. unknown	A
26	CYACO	*Carya cordiformis*	*Xf* subsp. unknown	A
27	CYAFL	*Carya floridana*	*Xf* subsp. unknown	A
28	CYAGL	*Carya glabra*	*Xf* subsp. unknown	A
29	CYAIL	*Carya illinoinensis*	*Xf* subsp. unknown	A
30	CYALA	*Carya laciniosa*	*Xf* subsp. unknown	A
31	CYAPA	*Carya pallida*	*Xf* subsp. unknown	A

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category
32	CC275A	*Carya palmeri*	*Xf* subsp. unknown	A
33	CYATO	*Carya tomentosa*	*Xf* subsp. unknown	A
34	CSNSA	*Castanea sativa*	*Xf* subsp. unknown	A
35	CTURO	*Catharanthus roseus*	*Xf* subsp. unknown	A
36	CCSOC	*Cercis occidentalis*	*Xf* subsp. unknown	A
37	CASFA	*Chamaecrista fasciculata*	*Xf* subsp. unknown	A
38	CIORE	*Chionanthus retusus*	*Xf* subsp. unknown	A
39	CSTIC	*Cistus creticus*	*Xf* subsp. unknown	A
40	CIDCE	*Citrus celebica*	*Xf* subsp. unknown	A
41	CIDME	*Citrus medica*	*Xf* subsp. unknown	A
42	CIDNA	*Citrus natsudaidai*	*Xf* subsp. unknown	A
43	CIDRE	*Citrus reticulata*	*Xf* subsp. unknown	A
44	CIDSS	*Citrus* sp.	*Xf* subsp. unknown	A
45	CIDAU	*Citrus* × *aurantium*	*Xf* subsp. unknown	A
46	CIDPA	*Citrus* × *aurantium* var. *paradisi*	*Xf* subsp. unknown	A
47	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. unknown	A
48	CIDTG	*Citrus* × *aurantium* var. *tangerina*	*Xf* subsp. unknown	A
49	CIDLI	*Citrus* × *limon*	*Xf* subsp. unknown	A
50	CIDJA	*Citrus* × *limonia* var. *jambhiri*	*Xf* subsp. unknown	A
51	CIDNO	*Citrus* × *nobilis*	*Xf* subsp. unknown	A
52	CIDRP	*Citrus* × *tangelo*	*Xf* subsp. unknown	A
53	CGACY	*Coelorachis cylindrica*	*Xf* subsp. unknown	A
54	COFAR	*Coffea arabica*	*Xf* subsp. unknown	A
55	COFSS	*Coffea* sp.	*Xf* subsp. unknown	A
56	CQMAL	*Coleonema album*	*Xf* subsp. unknown	A
57	COIMA	*Conium maculatum*	*Xf* subsp. unknown	A
58	CDTSE	*Cortaderia selloana*	*Xf* subsp. unknown	A
59	CZSMU	*Cytisus multiflorus*	*Xf* subsp. unknown	A
60	SAOSC	*Cytisus scoparius*	*Xf* subsp. unknown	A
61	CZSSS	*Cytisus* sp.	*Xf* subsp. unknown	A
62	CZSST	*Cytisus striatus*	*Xf* subsp. unknown	A
63	DIGSS	*Digitaria* sp.	*Xf* subsp. unknown	A
64	DOSKA	*Diospyros kaki*	*Xf* subsp. unknown	A
65	DPYPA	*Diplocyclos palmatus*	*Xf* subsp. unknown	A
66	DODVI	*Dodonaea viscosa*	*Xf* subsp. unknown	A
67	ECSLU	*Echinospartum lusitanicum*	*Xf* subsp. unknown	A
68	EHIPL	*Echium plantagineum*	*Xf* subsp. unknown	A
69	EPHTE	*Euphorbia terracina*	*Xf* subsp. unknown	A
70	EYOCH	*Euryops chrysanthemoides*	*Xf* subsp. unknown	A
71	FAUCR	*Fagus crenata*	*Xf* subsp. unknown	A
72	FATJA	*Fatsia japonica*	*Xf* subsp. unknown	A
73	FIUCA	*Ficus carica*	*Xf* subsp. unknown	A
74	RHAFR	*Frangula alnus*	*Xf* subsp. unknown	A
75	FRXAN	*Fraxinus angustifolia*	*Xf* subsp. unknown	A
76	FRXPE	*Fraxinus pennsylvanica*	*Xf* subsp. unknown	A
77	GAZRI	*Gazania rigens*	*Xf* subsp. unknown	A
78	GENTR	*Genista triacanthos*	*Xf* subsp. unknown	A
79	QEMTR	*Genista tridentata*	*Xf* subsp. unknown	A
80	GIKBI	*Ginkgo biloba*	*Xf* subsp. unknown	A
81	CC278A	*Gleditsia triacanthos* var. *inermis*	*Xf* subsp. unknown	A
82	GREJU	*Grevillea juniperina*	*Xf* subsp. unknown	A

(Continues)

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category
83	HAICO	*Halimium calycinum*	*Xf* subsp. unknown	A
84	HAILA	*Halimium lasianthum*	*Xf* subsp. unknown	A
85	HAIOC	*Halimium ocymoides*	*Xf* subsp. unknown	A
86	HAISS	*Halimium* sp.	*Xf* subsp. unknown	A
87	HELAN	*Helianthus annuus*	*Xf* subsp. unknown	A
88	HECST	*Helichrysum stoechas*	*Xf* subsp. unknown	A
89	HEGSS	*Hemerocallis* sp.	*Xf* subsp. unknown	A
90	HIBSH	*Hibiscus schizopetalus*	*Xf* subsp. unknown	A
91	HIBSY	*Hibiscus syriacus*	*Xf* subsp. unknown	A
92	HUMJA	*Humulus scandens*	*Xf* subsp. unknown	A
93	ILEVO	*Ilex vomitoria*	*Xf* subsp. unknown	A
94	IVAAN	*Iva annua*	*Xf* subsp. unknown	A
95	JACMI	*Jacaranda mimosifolia*	*Xf* subsp. unknown	A
96	JUGRE	*Juglans regia*	*Xf* subsp. unknown	A
97	JUPAS	*Juniperus ashei*	*Xf* subsp. unknown	A
98	LAEIN	*Lagerstroemia indica*	*Xf* subsp. unknown	A
99	LAESS	*Lagerstroemia* sp.	*Xf* subsp. unknown	A
100	LURNO	*Laurus nobilis*	*Xf* subsp. unknown	A
101	LAVAN	*Lavandula angustifolia*	*Xf* subsp. unknown	A
102	LAVDE	*Lavandula dentata*	*Xf* subsp. unknown	A
103	LAVST	*Lavandula stoechas*	*Xf* subsp. unknown	A
104	LIGLU	*Ligustrum lucidum*	*Xf* subsp. unknown	A
105	LIQST	*Liquidambar styraciflua*	*Xf* subsp. unknown	A
106	LONJA	*Lonicera japonica*	*Xf* subsp. unknown	A
107	LUPAD	*Lupinus aridorum*	*Xf* subsp. unknown	A
108	LUPVI	*Lupinus villosus*	*Xf* subsp. unknown	A
109	MAGGR	*Magnolia grandiflora*	*Xf* subsp. unknown	A
110	MLLPA	*Mallotus paniculatus*	*Xf* subsp. unknown	A
111	MEDSA	*Medicago sativa*	*Xf* subsp. unknown	A
112	MIMSS	*Mimosa* sp.	*Xf* subsp. unknown	A
113	MODCA	*Modiola caroliniana*	*Xf* subsp. unknown	A
114	MORAL	*Morus alba*	*Xf* subsp. unknown	A
115	MORRU	*Morus rubra*	*Xf* subsp. unknown	A
116	MORSS	*Morus* sp.	*Xf* subsp. unknown	A
117	MYMIN	*Myoporum insulare*	*Xf* subsp. unknown	A
118	MYVCO	*Myrtus communis*	*Xf* subsp. unknown	A
119	NANDO	*Nandina domestica*	*Xf* subsp. unknown	A
120	NPTLU	*Neptunia lutea*	*Xf* subsp. unknown	A
121	NEROL	*Nerium oleander*	*Xf* subsp. unknown	A
122	OLVEU	*Olea europaea*	*Xf* subsp. unknown	A
123	OLVES	*Olea europaea* subsp. *sylvestris*	*Xf* subsp. unknown	A
124	OLVSS	*Olea* sp.	*Xf* subsp. unknown	A
125	PRTQU	*Parthenocissus quinquefolia*	*Xf* subsp. unknown	A
126	PASDI	*Paspalum dilatatum*	*Xf* subsp. unknown	A
127	CC135A	*Periwinkle* (common name)	*Xf* subsp. unknown	A
128	PEBAM	*Persea americana*	*Xf* subsp. unknown	A
129	PHXRE	*Phoenix reclinata*	*Xf* subsp. unknown	A
130	PHXRO	*Phoenix roebelenii*	*Xf* subsp. unknown	A
131	PIUTD	*Pinus taeda*	*Xf* subsp. unknown	A
132	PLTOC	*Platanus occidentalis*	*Xf* subsp. unknown	A
133	PLTSS	*Platanus* sp.	*Xf* subsp. unknown	A

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n.	Plant EPPO code	Plant species	Pest	Category
134	POGMY	*Polygala myrtifolia*	*Xf* subsp. unknown	A
135	PRNAV	*Prunus avium*	*Xf* subsp. unknown	A
136	PRNCF	*Prunus cerasifera*	*Xf* subsp. unknown	A
137	CC209A	*Prunus cerasifera* × *P. munsoniana*	*Xf* subsp. unknown	A
138	PRNDU	*Prunus dulcis*	*Xf* subsp. unknown	A
139	PRNPS	*Prunus persica*	*Xf* subsp. unknown	A
140	PRNSC	*Prunus salicina*	*Xf* subsp. unknown	A
141	PRNSS	*Prunus* sp.	*Xf* subsp. unknown	A
142	PTEAQ	*Pteridium aquilinum*	*Xf* subsp. unknown	A
143	PYECO	*Pyracantha coccinea*	*Xf* subsp. unknown	A
144	PYUPY	*Pyrus pyrifolia*	*Xf* subsp. unknown	A
145	PYUSS	*Pyrus* sp.	*Xf* subsp. unknown	A
146	QUECO	*Quercus coccinea*	*Xf* subsp. unknown	A
147	QUEFC	*Quercus falcata*	*Xf* subsp. unknown	A
148	QUELA	*Quercus laevis*	*Xf* subsp. unknown	A
149	QUELF	*Quercus laurifolia*	*Xf* subsp. unknown	A
150	QUENI	*Quercus nigra*	*Xf* subsp. unknown	A
151	QUEPA	*Quercus palustris*	*Xf* subsp. unknown	A
152	QUEPN	*Quercus pyrenaica*	*Xf* subsp. unknown	A
153	QUERO	*Quercus robur*	*Xf* subsp. unknown	A
154	QUERU	*Quercus rubra*	*Xf* subsp. unknown	A
155	QUESS	*Quercus* sp.	*Xf* subsp. unknown	A
156	QUESU	*Quercus suber*	*Xf* subsp. unknown	A
157	QUEVE	*Quercus velutina*	*Xf* subsp. unknown	A
158	QUEVI	*Quercus virginiana*	*Xf* subsp. unknown	A
159	RATCO	*Ratibida columnifera*	*Xf* subsp. unknown	A
160	RHAAL	*Rhamnus alaternus*	*Xf* subsp. unknown	A
161	RHUSS	*Rhus* sp.	*Xf* subsp. unknown	A
162	RUBHP	*Rubus procerus*	*Xf* subsp. unknown	A
163	RUBSS	*Rubus* sp.	*Xf* subsp. unknown	A
164	RUBUL	*Rubus ulmifolius*	*Xf* subsp. unknown	A
165	SAXAT	*Salix atrocinerea*	*Xf* subsp. unknown	A
166	RMSOF	*Salvia rosmarinus*	*Xf* subsp. unknown	A
167	SAMCN	*Sambucus canadensis*	*Xf* subsp. unknown	A
168	SAMNI	*Sambucus nigra*	*Xf* subsp. unknown	A
169	SSAAL	*Sassafras albidum*	*Xf* subsp. unknown	A
170	SSASS	*Sassafras* sp.	*Xf* subsp. unknown	A
171	SETMG	*Setaria magna*	*Xf* subsp. unknown	A
172	SOOFI	*Solidago fistulosa*	*Xf* subsp. unknown	A
173	SPUJU	*Spartium junceum*	*Xf* subsp. unknown	A
174	SWTPS	*Stewartia pseudocamellia*	*Xf* subsp. unknown	A
175	ZMYDI	*Symphyotrichum divaricatum*	*Xf* subsp. unknown	A
176	TRFRE	*Trifolium repens*	*Xf* subsp. unknown	A
177	ULEEU	*Ulex europaeus*	*Xf* subsp. unknown	A
178	ULEMC	*Ulex micranthus*	*Xf* subsp. unknown	A
179	ULEMI	*Ulex minor*	*Xf* subsp. unknown	A
180	ULESS	*Ulex* sp.	*Xf* subsp. unknown	A
181	ULMAM	*Ulmus americana*	*Xf* subsp. unknown	A
182	ULMGL	*Ulmus glabra*	*Xf* subsp. unknown	A
183	ULMPU	*Ulmus pumila*	*Xf* subsp. unknown	A

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n.	Plant EPPO code	Plant species	Pest	Category
184	ULMSS	*Ulmus* sp.	*Xf* subsp. unknown	A
185	VACAH	*Vaccinium ashei*	*Xf* subsp. unknown	A
186	VACCO	*Vaccinium corymbosum*	*Xf* subsp. unknown	A
187	VACSS	*Vaccinium* sp.	*Xf* subsp. unknown	A
188	VACVG	*Vaccinium virgatum*	*Xf* subsp. unknown	A
189	VINMA	*Vinca major*	*Xf* subsp. unknown	A
190	VINMI	*Vinca minor*	*Xf* subsp. unknown	A
191	VITCL	*Vitis californica*	*Xf* subsp. unknown	A
192	VITCA	*Vitis candicans*	*Xf* subsp. unknown	A
193	VITLA	*Vitis labrusca*	*Xf* subsp. unknown	A
194	CC241A	*Vitis labrusca* × *V. vinifera*	*Xf* subsp. unknown	A
195	VITMU	*Vitis munsoniana*	*Xf* subsp. unknown	A
196	CC242A	*Vitis muscadina*	*Xf* subsp. unknown	A
197	VITRI	*Vitis riparia*	*Xf* subsp. unknown	A
198	VITRF	*Vitis rotundifolia*	*Xf* subsp. unknown	A
199	VITSS	*Vitis* sp.	*Xf* subsp. unknown	A
200	VITVI	*Vitis vinifera*	*Xf* subsp. unknown	A
201	CXKTA	*x Chitalpa tashkentensis*	*Xf* subsp. unknown	A
202	ACRSC	*Acer saccharum*	*Xf* subsp. unknown	B
203	CYPER	*Cyperus eragrostis*	*Xf* subsp. unknown	B
204	HVEBR	*Hevea brasiliensis*	*Xf* subsp. unknown	B
205	PRNDO	*Prunus domestica*	*Xf* subsp. unknown	B
206	SORHA	*Sorghum halepense*	*Xf* subsp. unknown	B
207	ACRMA	*Acer macrophyllum*	*Xf* subsp. unknown	C
208	ACRNE	*Acer negundo*	*Xf* subsp. unknown	C
209	ACRPL	*Acer platanoides*	*Xf* subsp. unknown	C
210	AECHY	*Aesculus* × *hybrida*	*Xf* subsp. unknown	C
211	AGTAU	*Agathis australis*	*Xf* subsp. unknown	C
212	AGSGI	*Agrostis gigantea*	*Xf* subsp. unknown	C
213	AEYEX	*Alectryon excelsus*	*Xf* subsp. unknown	C
214	ALRFI	*Alternanthera ficoidea*	*Xf* subsp. unknown	C
215	AMASS	*Amaranthus* sp.	*Xf* subsp. unknown	C
216	ARYSS	*Arctostaphylos* sp.	*Xf* subsp. unknown	C
217	ARTDO	*Artemisia douglasiana*	*Xf* subsp. unknown	C
218	ATXSS	*Atriplex* sp.	*Xf* subsp. unknown	C
219	AVEFA	*Avena fatua*	*Xf* subsp. unknown	C
220	AXOCO	*Axonopus compressus*	*Xf* subsp. unknown	C
221	BACPI	*Baccharis pilularis*	*Xf* subsp. unknown	C
222	BIDPI	*Bidens pilosa*	*Xf* subsp. unknown	C
223	BOEDI	*Boerhavia diffusa*	*Xf* subsp. unknown	C
224	BRADC	*Brachiaria decumbens*	*Xf* subsp. unknown	C
225	BRAPL	*Brachiaria plantaginea*	*Xf* subsp. unknown	C
226	BRGSS	*Brachyglottis* sp.	*Xf* subsp. unknown	C
227	BRODI	*Bromus diandrus*	*Xf* subsp. unknown	C
228	BRORI	*Bromus rigidus*	*Xf* subsp. unknown	C
229	BROSS	*Bromus* sp.	*Xf* subsp. unknown	C
230	BRNPA	*Broussonetia papyrifera*	*Xf* subsp. unknown	C
231	CCOSS	*Calicotome* sp.	*Xf* subsp. unknown	C
232	BLABI	*Calyptocarpus biaristatus*	*Xf* subsp. unknown	C
233	CMIRA	*Campsis radicans*	*Xf* subsp. unknown	C
234	CAPBP	*Capsella bursa-pastoris*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category
235	CRXSS	*Carex* sp.	*Xf* subsp. unknown	C
236	CIPCA	*Carpinus caroliniana*	*Xf* subsp. unknown	C
237	CELOR	*Celastrus orbiculatus*	*Xf* subsp. unknown	C
238	CETSS	*Celtis* sp.	*Xf* subsp. unknown	C
239	PESCL	*Cenchrus clandestinus*	*Xf* subsp. unknown	C
240	CCHEC	*Cenchrus echinatus*	*Xf* subsp. unknown	C
241	CHEMU	*Chenopodiastrum murale*	*Xf* subsp. unknown	C
242	CHRHA	*Chloris halophila*	*Xf* subsp. unknown	C
243	CC158A	*Coffea arabica* × *C. canephora*	*Xf* subsp. unknown	C
244	CC159A	*Coffea arabica* × *C. eugenioides*	*Xf* subsp. unknown	C
245	CC161A	*Coffea arabica* × *C. liberica* var. *dewevrei*	*Xf* subsp. unknown	C
246	CC162A	*Coffea arabica* × *C. racemosa*	*Xf* subsp. unknown	C
247	COFCA	*Coffea canephora*	*Xf* subsp. unknown	C
248	CC164A	*Coffea eugenioides*	*Xf* subsp. unknown	C
249	COFEX	*Coffea excelsa*	*Xf* subsp. unknown	C
250	CC165A	*Coffea kapakata*	*Xf* subsp. unknown	C
251	COFST	*Coffea stenophylla*	*Xf* subsp. unknown	C
252	COMBE	*Commelina benghalensis*	*Xf* subsp. unknown	C
253	COMER	*Commelina erecta*	*Xf* subsp. unknown	C
254	CONAR	*Convolvulus arvensis*	*Xf* subsp. unknown	C
255	CPMRE	*Coprosma repens*	*Xf* subsp. unknown	C
256	CPMRO	*Coprosma robusta*	*Xf* subsp. unknown	C
257	CDLAU	*Cordyline australis*	*Xf* subsp. unknown	C
258	CDLSS	*Cordyline* sp.	*Xf* subsp. unknown	C
259	CRWFL	*Cornus florida*	*Xf* subsp. unknown	C
260	CKICO	*Corokia cotoneaster*	*Xf* subsp. unknown	C
261	CKIMA	*Corokia macrocarpa*	*Xf* subsp. unknown	C
262	CKISS	*Corokia* sp.	*Xf* subsp. unknown	C
263	CCKLA	*Corynocarpus laevigatus*	*Xf* subsp. unknown	C
264	ERMSE	*Croton setigerus*	*Xf* subsp. unknown	C
265	CYNDA	*Cynodon dactylon*	*Xf* subsp. unknown	C
266	CYPSS	*Cyperus* sp.	*Xf* subsp. unknown	C
267	DATWR	*Datura wrightii*	*Xf* subsp. unknown	C
268	DKTAC	*Dichanthelium acuminatum*	*Xf* subsp. unknown	C
269	DIGHO	*Digitaria horizontalis*	*Xf* subsp. unknown	C
270	TRCIN	*Digitaria insularis*	*Xf* subsp. unknown	C
271	DIGSA	*Digitaria sanguinalis*	*Xf* subsp. unknown	C
272	MRRMA	*Distimake macrocalyx*	*Xf* subsp. unknown	C
273	DUTPL	*Duranta erecta*	*Xf* subsp. unknown	C
274	CHEAM	*Dysphania ambrosioides*	*Xf* subsp. unknown	C
275	ECHCG	*Echinochloa crus-galli*	*Xf* subsp. unknown	C
276	ELEIN	*Eleusine indica*	*Xf* subsp. unknown	C
277	ERICA	*Erigeron canadensis*	*Xf* subsp. unknown	C
278	ERBCO	*Eriochloa contracta*	*Xf* subsp. unknown	C
279	ERGSS	*Eriogonum* sp.	*Xf* subsp. unknown	C
280	EROBO	*Erodium botrys*	*Xf* subsp. unknown	C
281	EROMO	*Erodium moschatum*	*Xf* subsp. unknown	C
282	EROSS	*Erodium* sp.	*Xf* subsp. unknown	C
283	ESABI	*Escallonia bifida*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category
284	EUCSS	*Eucalyptus* sp.	*Xf* subsp. unknown	C
285	EPHHI	*Euphorbia hirta*	*Xf* subsp. unknown	C
286	FACAP	*Facelis retusa*	*Xf* subsp. unknown	C
287	CC180A	*Fragaria vesca* subsp. *californica*	*Xf* subsp. unknown	C
288	FRXDI	*Fraxinus dipetala*	*Xf* subsp. unknown	C
289	FUCMA	*Fuchsia magellanica*	*Xf* subsp. unknown	C
290	GERDI	*Geranium dissectum*	*Xf* subsp. unknown	C
291	HAGER	*Haloragis erecta*	*Xf* subsp. unknown	C
292	HBESS	*Hebe* sp.	*Xf* subsp. unknown	C
293	HEEHE	*Hedera helix*	*Xf* subsp. unknown	C
294	HECIT	*Helichrysum italicum*	*Xf* subsp. unknown	C
295	HEOFR	*Heliotropium fruticosum*	*Xf* subsp. unknown	C
296	HEOIN	*Heliotropium indicum*	*Xf* subsp. unknown	C
297	HTTGR	*Heterotheca grandiflora*	*Xf* subsp. unknown	C
298	HORMU	*Hordeum murinum*	*Xf* subsp. unknown	C
299	HYEPA	*Hydrangea paniculata*	*Xf* subsp. unknown	C
300	HRYBR	*Hypochaeris brasiliensis*	*Xf* subsp. unknown	C
301	IPOFI	*Ipomoea carnea* subsp. *fistulosa*	*Xf* subsp. unknown	C
302	LACSE	*Lactuca serriola*	*Xf* subsp. unknown	C
303	LECSI	*Leonurus sibiricus*	*Xf* subsp. unknown	C
304	LEPAU	*Lepidium auriculatum*	*Xf* subsp. unknown	C
305	COPDI	*Lepidium didymum*	*Xf* subsp. unknown	C
306	LEPRU	*Lepidium ruderale*	*Xf* subsp. unknown	C
307	LIGSI	*Ligustrum sinense*	*Xf* subsp. unknown	C
308	CC189A	*Ligustrum virginicum*	*Xf* subsp. unknown	C
309	LIRTU	*Liriodendron tulipifera*	*Xf* subsp. unknown	C
310	LOLMU	*Lolium multiflorum*	*Xf* subsp. unknown	C
311	LOLPE	*Lolium perenne*	*Xf* subsp. unknown	C
312	LUDUR	*Ludwigia grandiflora*	*Xf* subsp. unknown	C
313	MALPA	*Malva parviflora*	*Xf* subsp. unknown	C
314	MAQVU	*Marrubium vulgare*	*Xf* subsp. unknown	C
315	MEDPO	*Medicago polymorpha*	*Xf* subsp. unknown	C
316	MLQTE	*Melicope ternata*	*Xf* subsp. unknown	C
317	MLYRA	*Melicytus ramiflorus*	*Xf* subsp. unknown	C
318	MEUSS	*Melilotus* sp.	*Xf* subsp. unknown	C
319	MLSOF	*Melissa officinalis*	*Xf* subsp. unknown	C
320	MRYSI	*Meryta sinclairii*	*Xf* subsp. unknown	C
321	MTDEX	*Metrosideros excelsa*	*Xf* subsp. unknown	C
322	CC195A	*Metrosideros kermadecensis*	*Xf* subsp. unknown	C
323	MTDSS	*Metrosideros* sp.	*Xf* subsp. unknown	C
324	MNTLI	*Montia linearis*	*Xf* subsp. unknown	C
325	MYMLA	*Myoporum laetum*	*Xf* subsp. unknown	C
326	MAJHO	*Origanum majorana*	*Xf* subsp. unknown	C
327	PTNHY	*Parthenium hysterophorus*	*Xf* subsp. unknown	C
328	PRTTR	*Parthenocissus tricuspidata*	*Xf* subsp. unknown	C
329	CC200A	*Paspalum regnellii*	*Xf* subsp. unknown	C
330	PASUR	*Paspalum urvillei*	*Xf* subsp. unknown	C
331	PAQFO	*Passiflora foetida*	*Xf* subsp. unknown	C
332	POLLA	*Persicaria lapathifolia*	*Xf* subsp. unknown	C
333	POLPE	*Persicaria maculosa*	*Xf* subsp. unknown	C
334	PGASA	*Phagnalon saxatile*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category
335	PHAAN	*Phalaris angusta*	*Xf* subsp. unknown	C
336	PHXSS	*Phoenix* sp.	*Xf* subsp. unknown	C
337	PHMCO	*Phormium colensoi*	*Xf* subsp. unknown	C
338	PHMTE	*Phormium tenax*	*Xf* subsp. unknown	C
339	PTUCR	*Pittosporum crassifolium*	*Xf* subsp. unknown	C
340	PTUEU	*Pittosporum eugenioides*	*Xf* subsp. unknown	C
341	PTUTE	*Pittosporum tenuifolium*	*Xf* subsp. unknown	C
342	PTUUM	*Pittosporum umbellatum*	*Xf* subsp. unknown	C
343	PLALA	*Plantago lanceolata*	*Xf* subsp. unknown	C
344	PLAMA	*Plantago major*	*Xf* subsp. unknown	C
345	PLUOD	*Pluchea odorata*	*Xf* subsp. unknown	C
346	POAAN	*Poa annua*	*Xf* subsp. unknown	C
347	POLAR	*Polygonum arenastrum*	*Xf* subsp. unknown	C
348	POROL	*Portulaca oleracea*	*Xf* subsp. unknown	C
349	PRNAN	*Prunus angustifolia*	*Xf* subsp. unknown	C
350	PRNCM	*Prunus campanulata*	*Xf* subsp. unknown	C
351	PRNLR	*Prunus laurocerasus*	*Xf* subsp. unknown	C
352	PRNMM	*Prunus mume*	*Xf* subsp. unknown	C
353	PRNSO	*Prunus serotina*	*Xf* subsp. unknown	C
354	PRNSL	*Prunus serrulata*	*Xf* subsp. unknown	C
355	CC214A	*Prunus simonii* × *P. salicina* × *P. cerasifera* × *P. munsoniana*	*Xf* subsp. unknown	C
356	QUEAG	*Quercus agrifolia*	*Xf* subsp. unknown	C
357	QUEAL	*Quercus alba*	*Xf* subsp. unknown	C
358	QUEIL	*Quercus ilex*	*Xf* subsp. unknown	C
359	QUEIM	*Quercus imbricaria*	*Xf* subsp. unknown	C
360	QUEIN	*Quercus incana*	*Xf* subsp. unknown	C
361	QUEMC	*Quercus macrocarpa*	*Xf* subsp. unknown	C
362	QUEPH	*Quercus phellos*	*Xf* subsp. unknown	C
363	QUEPR	*Quercus prinus*	*Xf* subsp. unknown	C
364	RANRE	*Ranunculus repens*	*Xf* subsp. unknown	C
365	RAPSR	*Raphanus sativus*	*Xf* subsp. unknown	C
366	RCHSS	*Richardia* sp.	*Xf* subsp. unknown	C
367	ROSCA	*Rosa californica*	*Xf* subsp. unknown	C
368	RUBUR	*Rubus ursinus*	*Xf* subsp. unknown	C
369	RUBVI	*Rubus vitifolius*	*Xf* subsp. unknown	C
370	RDGVE	*Rudgea verticillata*	*Xf* subsp. unknown	C
371	RUMCR	*Rumex crispus*	*Xf* subsp. unknown	C
372	RUMSS	*Rumex* sp.	*Xf* subsp. unknown	C
373	SAXSS	*Salix* sp.	*Xf* subsp. unknown	C
374	SASKT	*Salsola tragus*	*Xf* subsp. unknown	C
375	SALOF	*Salvia officinalis*	*Xf* subsp. unknown	C
376	SAMGL	*Sambucus cerulea*	*Xf* subsp. unknown	C
377	SNTMA	*Santolina magonica*	*Xf* subsp. unknown	C
378	SENGB	*Senecio grisebachii*	*Xf* subsp. unknown	C
379	SENVU	*Senecio vulgaris*	*Xf* subsp. unknown	C
380	CC221A	*Senna secundiflora*	*Xf* subsp. unknown	C
381	SIDRH	*Sida rhombifolia*	*Xf* subsp. unknown	C
382	SLYMA	*Silybum marianum*	*Xf* subsp. unknown	C
383	SSYIR	*Sisymbrium irio*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category		
384	SOLAM	*Solanum americanum*	*Xf* subsp. unknown	C		
385	SONOL	*Sonchus oleraceus*	*Xf* subsp. unknown	C		
386	SONSS	*Sonchus* sp.	*Xf* subsp. unknown	C		
387	SOBSE	*Sophora secundiflora*	*Xf* subsp. unknown	C		
388	BOILF	*Spermacoce latifolia*	*Xf* subsp. unknown	C		
389	STAAR	*Stachys arvensis*	*Xf* subsp. unknown	C		
390	STEME	*Stellaria media*	*Xf* subsp. unknown	C		
391	SYZPA	*Syzygium paniculatum*	*Xf* subsp. unknown	C		
392	TALPA	*Talinum paniculatum*	*Xf* subsp. unknown	C		
393	TAROF	*Taraxacum officinale*	*Xf* subsp. unknown	C		
394	RHUDI	*Toxicodendron diversilobum*	*Xf* subsp. unknown	C		
395	TRFIN	*Trifolium incarnatum*	*Xf* subsp. unknown	C		
396	ULEPA	*Ulex parviflorus*	*Xf* subsp. unknown	C		
397	URTLY	*Urtica dioica* subsp. *gracilis*	*Xf* subsp. unknown	C		
398	URTUR	*Urtica urens*	*Xf* subsp. unknown	C		
399	VEBLI	*Verbena litoralis*	*Xf* subsp. unknown	C		
400	VENSS	*Vernonia* sp.	*Xf* subsp. unknown	C		
401	VERPE	*Veronica persica*	*Xf* subsp. unknown	C		
402	VERSS	*Veronica* sp.	*Xf* subsp. unknown	C		
403	CC226A	*Vicia ludoviciana*	*Xf* subsp. unknown	C		
404	VIXLU	*Vitex lucens*	*Xf* subsp. unknown	C		
405	VITAZ	*Vitis arizonica*	*Xf* subsp. unknown	C		
406	VITGI	*Vitis girdiana*	*Xf* subsp. unknown	C		
407	WSTFR	*Wisteria frutescens*	*Xf* subsp. unknown	C		
408	XANSP	*Xanthium spinosum*	*Xf* subsp. unknown	C		
409	CIDLO	*Citrus* × *limonia*	*Xf* subsp. unknown		D	
410	COFLI	*Coffea liberica*	*Xf* subsp. unknown		D	
411	PRNAM	*Prunus americana*	*Xf* subsp. unknown		D	
412	PRNMS	*Prunus munsoniana*	*Xf* subsp. unknown		D	
413	PRNSI	*Prunus simonii*	*Xf* subsp. unknown		D	
414	SOOCA	*Solidago canadensis*	*Xf* subsp. unknown		D	
415	PRNAR	*Prunus armeniaca*	*Xf* subsp. unknown			E
416	PRNHO	*Prunus hortulana*	*Xf* subsp. unknown			E
417	PRNME	*Prunus mexicana*	*Xf* subsp. unknown			E
418	ULMHO	*Ulmus* × *hollandica*	*Xf* subsp. unknown			E
419	VITAE	*Vitis aestivalis*	*Xf* subsp. unknown			E
420	VITBQ	*Vitis bourquiniana*	*Xf* subsp. unknown			E
421	VITCI	*Vitis cinerea*	*Xf* subsp. unknown			E
422	VITCN	*Vitis cinerea* var. *floridana*	*Xf* subsp. unknown			E
423	CC256A	*Vitis rufotomentosa*	*Xf* subsp. unknown			E
424	CC257A	*Vitis shuttleworthii*	*Xf* subsp. unknown			E
425	VITCH	*Vitis* × *champinii*	*Xf* subsp. unknown			E

n.	Plant EPPO code	Plant species	Pest	Category
1	ACADA	*Acacia dealbata*	*Xf* subsp. *fastidiosa*	A
2	ACRSS	*Acer* sp.	*Xf* subsp. *fastidiosa*	A
3	ADCSS	*Adenocarpus* sp.	*Xf* subsp. *fastidiosa*	A
4	AMBEL	*Ambrosia artemisiifolia*	*Xf* subsp. *fastidiosa*	A
5	CCOSP	*Calicotome spinosa*	*Xf* subsp. *fastidiosa*	A

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n.	Plant EPPO code	Plant species	Pest	Category
6	CCSOC	*Cercis occidentalis*	*Xf* subsp. *fastidiosa*	A
7	CSTPS	*Cistus inflatus*	*Xf* subsp. *fastidiosa*	A
8	CSTLA	*Cistus ladanifer*	*Xf* subsp. *fastidiosa*	A
9	CSTMO	*Cistus monspeliensis*	*Xf* subsp. *fastidiosa*	A
10	CSTSS	*Cistus* sp.	*Xf* subsp. *fastidiosa*	A
11	CIDRE	*Citrus reticulata*	*Xf* subsp. *fastidiosa*	A
12	CIDPA	*Citrus* × *aurantium* var. *paradisi*	*Xf* subsp. *fastidiosa*	A
13	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. *fastidiosa*	A
14	CIDLI	*Citrus* × *limon*	*Xf* subsp. *fastidiosa*	A
15	COFAR	*Coffea arabica*	*Xf* subsp. *fastidiosa*	A
16	COFCA	*Coffea canephora*	*Xf* subsp. *fastidiosa*	A
17	COFSS	*Coffea* sp.	*Xf* subsp. *fastidiosa*	A
18	CZSSS	*Cytisus* sp.	*Xf* subsp. *fastidiosa*	A
19	CZSST	*Cytisus striatus*	*Xf* subsp. *fastidiosa*	A
20	ELGAN	*Elaeagnus angustifolia*	*Xf* subsp. *fastidiosa*	A
21	CC270A	*Erysimum hybrids*	*Xf* subsp. *fastidiosa*	A
22	FIUCA	*Ficus carica*	*Xf* subsp. *fastidiosa*	A
23	FRXAN	*Fraxinus angustifolia*	*Xf* subsp. *fastidiosa*	A
24	GENLU	*Genista tricuspidata*	*Xf* subsp. *fastidiosa*	A
25	QEMTR	*Genista tridentata*	*Xf* subsp. *fastidiosa*	A
26	IUGRE	*Juglans regia*	*Xf* subsp. *fastidiosa*	A
27	LIQST	*Liquidambar styraciflua*	*Xf* subsp. *fastidiosa*	A
28	LUPAD	*Lupinus aridorum*	*Xf* subsp. *fastidiosa*	A
29	MAGGR	*Magnolia grandiflora*	*Xf* subsp. *fastidiosa*	A
30	MEDSA	*Medicago sativa*	*Xf* subsp. *fastidiosa*	A
31	MTDSS	*Metrosideros* sp.	*Xf* subsp. *fastidiosa*	A
32	MORSS	*Morus* sp.	*Xf* subsp. *fastidiosa*	A
33	MYVCO	*Myrtus communis*	*Xf* subsp. *fastidiosa*	A
34	NEROL	*Nerium oleander*	*Xf* subsp. *fastidiosa*	A
35	OLVEU	*Olea europaea*	*Xf* subsp. *fastidiosa*	A
36	PELGV	*Pelargonium graveolens*	*Xf* subsp. *fastidiosa*	A
37	PLUOD	*Pluchea odorata*	*Xf* subsp. *fastidiosa*	A
38	POGMY	*Polygala myrtifolia*	*Xf* subsp. *fastidiosa*	A
39	PRNAV	*Prunus avium*	*Xf* subsp. *fastidiosa*	A
40	PRNDU	*Prunus dulcis*	*Xf* subsp. *fastidiosa*	A
41	PRNPS	*Prunus persica*	*Xf* subsp. *fastidiosa*	A
42	PRNSS	*Prunus* sp.	*Xf* subsp. *fastidiosa*	A
43	PSISS	*Psidium* sp.	*Xf* subsp. *fastidiosa*	A
44	QUEIL	*Quercus ilex*	*Xf* subsp. *fastidiosa*	A
45	QUEOR	*Quercus orocantabrica*	*Xf* subsp. *fastidiosa*	A
46	QUEPN	*Quercus pyrenaica*	*Xf* subsp. *fastidiosa*	A
47	RHAAL	*Rhamnus alaternus*	*Xf* subsp. *fastidiosa*	A
48	RUBID	*Rubus idaeus*	*Xf* subsp. *fastidiosa*	A
49	RUBDI	*Rubus rigidus*	*Xf* subsp. *fastidiosa*	A
50	RUBUR	*Rubus ursinus*	*Xf* subsp. *fastidiosa*	A
51	RUACH	*Ruta chalepensis*	*Xf* subsp. *fastidiosa*	A
52	RMSOF	*Salvia rosmarinus*	*Xf* subsp. *fastidiosa*	A
53	SAMCN	*Sambucus canadensis*	*Xf* subsp. *fastidiosa*	A
54	SAMSS	*Sambucus* sp.	*Xf* subsp. *fastidiosa*	A
55	SPUJU	*Spartium junceum*	*Xf* subsp. *fastidiosa*	A

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n.	Plant EPPO code	Plant species	Pest	Category	
56	STZRE	*Strelitzia reginae*	*Xf* subsp. *fastidiosa*	A	
57	SRQHY	*Streptocarpus hybrids*	*Xf* subsp. *fastidiosa*	A	
58	TEUCP	*Teucrium capitatum*	*Xf* subsp. *fastidiosa*	A	
59	ULEEU	*Ulex europaeus*	*Xf* subsp. *fastidiosa*	A	
60	ULESS	*Ulex* sp.	*Xf* subsp. *fastidiosa*	A	
61	ULMAM	*Ulmus americana*	*Xf* subsp. *fastidiosa*	A	
62	VACCO	*Vaccinium corymbosum*	*Xf* subsp. *fastidiosa*	A	
63	VACVG	*Vaccinium virgatum*	*Xf* subsp. *fastidiosa*	A	
64	VINMA	*Vinca major*	*Xf* subsp. *fastidiosa*	A	
65	VINSS	*Vinca* sp.	*Xf* subsp. *fastidiosa*	A	
66	VITAE	*Vitis aestivalis*	*Xf* subsp. *fastidiosa*	A	
67	CC227A	*Vitis aestivalis hybrid*	*Xf* subsp. *fastidiosa*	A	
68	VITCL	*Vitis californica*	*Xf* subsp. *fastidiosa*	A	
69	VITCA	*Vitis candicans*	*Xf* subsp. *fastidiosa*	A	
70	CC238A	*Vitis cinerea* var. *helleri* × *V. vulpina*	*Xf* subsp. *fastidiosa*	A	
71	VITGI	*Vitis girdiana*	*Xf* subsp. *fastidiosa*	A	
72	VITHD	*Vitis hybrids*	*Xf* subsp. *fastidiosa*	A	
73	VITRF	*Vitis rotundifolia*	*Xf* subsp. *fastidiosa*	A	
74	VITSS	*Vitis* sp.	*Xf* subsp. *fastidiosa*	A	
75	VITVI	*Vitis vinifera*	*Xf* subsp. *fastidiosa*	A	
76	BRNPA	*Broussonetia papyrifera*	*Xf* subsp. *fastidiosa*		C
77	QUESS	*Quercus* sp.	*Xf* subsp. *fastidiosa*		C
78	ULMSS	*Ulmus* sp.	*Xf* subsp. *fastidiosa*		C

n.	Plant EPPO code	Plant species	Pest	Category
1	ACACL	*Acacia cultriformis*	*Xf* subsp. *multiplex*	A
2	ACADA	*Acacia dealbata*	*Xf* subsp. *multiplex*	A
3	ACALO	*Acacia longifolia*	*Xf* subsp. *multiplex*	A
4	ACAME	*Acacia melanoxylon*	*Xf* subsp. *multiplex*	A
5	ACASA	*Acacia saligna*	*Xf* subsp. *multiplex*	A
6	ACASS	*Acacia* sp.	*Xf* subsp. *multiplex*	A
7	ACRGR	*Acer granatense*	*Xf* subsp. *multiplex*	A
8	ACRGS	*Acer griseum*	*Xf* subsp. *multiplex*	A
9	ACRPP	*Acer pseudoplatanus*	*Xf* subsp. *multiplex*	A
10	ACRRB	*Acer rubrum*	*Xf* subsp. *multiplex*	A
11	ADCCL	*Adenocarpus lainzii*	*Xf* subsp. *multiplex*	A
12	ALURH	*Alnus rhombifolia*	*Xf* subsp. *multiplex*	A
13	AMBPS	*Ambrosia psilostachya*	*Xf* subsp. *multiplex*	A
14	AMBSS	*Ambrosia* sp.	*Xf* subsp. *multiplex*	A
15	AMBTR	*Ambrosia trifida*	*Xf* subsp. *multiplex*	A
16	AMBTT	*Ambrosia trifida* var. *texana*	*Xf* subsp. *multiplex*	A
17	AMCCO	*Ampelopsis cordata*	*Xf* subsp. *multiplex*	A
18	AYLBJ	*Anthyllis barba-jovis*	*Xf* subsp. *multiplex*	A
19	AYLHE	*Anthyllis hermanniae*	*Xf* subsp. *multiplex*	A
20	ARDUN	*Arbutus unedo*	*Xf* subsp. *multiplex*	A
21	CHYFR	*Argyranthemum frutescens*	*Xf* subsp. *multiplex*	A
22	ARTAB	*Artemisia absinthium*	*Xf* subsp. *multiplex*	A
23	ARTAO	*Artemisia arborescens*	*Xf* subsp. *multiplex*	A
24	ARTSS	*Artemisia* sp.	*Xf* subsp. *multiplex*	A
25	ASPAC	*Asparagus acutifolius*	*Xf* subsp. *multiplex*	A
26	ATUFF	*Athyrium filix-femina*	*Xf* subsp. *multiplex*	A

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n.	Plant EPPO code	Plant species	Pest	Category
27	BACHA	*Baccharis halimifolia*	*Xf* subsp. *multiplex*	A
28	BEBTH	*Berberis thunbergii*	*Xf* subsp. *multiplex*	A
29	CCOSP	*Calicotome spinosa*	*Xf* subsp. *multiplex*	A
30	CCOVI	*Calicotome villosa*	*Xf* subsp. *multiplex*	A
31	CUNVU	*Calluna vulgaris*	*Xf* subsp. *multiplex*	A
32	CYAIL	*Carya illinoinensis*	*Xf* subsp. *multiplex*	A
33	CYASS	*Carya* sp.	*Xf* subsp. *multiplex*	A
34	CSNSA	*Castanea sativa*	*Xf* subsp. *multiplex*	A
35	CETOC	*Celtis occidentalis*	*Xf* subsp. *multiplex*	A
36	CCSCA	*Cercis canadensis*	*Xf* subsp. *multiplex*	A
37	CCSOC	*Cercis occidentalis*	*Xf* subsp. *multiplex*	A
38	CCSSI	*Cercis siliquastrum*	*Xf* subsp. *multiplex*	A
39	CHEAL	*Chenopodium album*	*Xf* subsp. *multiplex*	A
40	CIOSS	*Chionanthus* sp.	*Xf* subsp. *multiplex*	A
41	CSTAL	*Cistus albidus*	*Xf* subsp. *multiplex*	A
42	CSTIC	*Cistus creticus*	*Xf* subsp. *multiplex*	A
43	CSTPS	*Cistus inflatus*	*Xf* subsp. *multiplex*	A
44	CSTMO	*Cistus monspeliensis*	*Xf* subsp. *multiplex*	A
45	CSTSA	*Cistus salviifolius*	*Xf* subsp. *multiplex*	A
46	CSTSS	*Cistus* sp.	*Xf* subsp. *multiplex*	A
47	CLVCI	*Clematis cirrhosa*	*Xf* subsp. *multiplex*	A
48	CLVVT	*Clematis vitalba*	*Xf* subsp. *multiplex*	A
49	STICA	*Clinopodium nepeta*	*Xf* subsp. *multiplex*	A
50	CONCN	*Convolvulus cneorum*	*Xf* subsp. *multiplex*	A
51	CPMRE	*Coprosma repens*	*Xf* subsp. *multiplex*	A
52	CRWSA	*Cornus sanguinea*	*Xf* subsp. *multiplex*	A
53	CZRVL	*Coronilla valentina*	*Xf* subsp. *multiplex*	A
54	CZRVG	*Coronilla valentina* subsp. *glauca*	*Xf* subsp. *multiplex*	A
55	SAOSC	*Cytisus scoparius*	*Xf* subsp. *multiplex*	A
56	CZSSS	*Cytisus* sp.	*Xf* subsp. *multiplex*	A
57	CC274A	*Cytisus spinosa*	*Xf* subsp. *multiplex*	A
58	CZSVI	*Cytisus villosus*	*Xf* subsp. *multiplex*	A
59	OSPEK	*Dimorphotheca ecklonis*	*Xf* subsp. *multiplex*	A
60	OSPFR	*Dimorphotheca fruticosa*	*Xf* subsp. *multiplex*	A
61	INUVI	*Dittrichia viscosa*	*Xf* subsp. *multiplex*	A
62	DODVI	*Dodonaea viscosa*	*Xf* subsp. *multiplex*	A
63	EHIPL	*Echium plantagineum*	*Xf* subsp. *multiplex*	A
64	ELGAN	*Elaeagnus angustifolia*	*Xf* subsp. *multiplex*	A
65	ELGEB	*Elaeagnus* × *submacrophylla*	*Xf* subsp. *multiplex*	A
66	ENCFA	*Encelia farinosa*	*Xf* subsp. *multiplex*	A
67	EIACN	*Erica cinerea*	*Xf* subsp. *multiplex*	A
68	ERICA	*Erigeron canadensis*	*Xf* subsp. *multiplex*	A
69	ERIKA	*Erigeron karvinskianus*	*Xf* subsp. *multiplex*	A
70	ERISS	*Erigeron* sp.	*Xf* subsp. *multiplex*	A
71	ERQUM	*Eriocephalus africanus*	*Xf* subsp. *multiplex*	A
72	EROMO	*Erodium moschatum*	*Xf* subsp. *multiplex*	A
73	EYOCH	*Euryops chrysanthemoides*	*Xf* subsp. *multiplex*	A
74	EYOPE	*Euryops pectinatus*	*Xf* subsp. *multiplex*	A
75	FIUCA	*Ficus carica*	*Xf* subsp. *multiplex*	A
76	RHAFR	*Frangula alnus*	*Xf* subsp. *multiplex*	A

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n.	Plant EPPO code	Plant species	Pest	Category
77	FRXAM	*Fraxinus americana*	*Xf* subsp. *multiplex*	A
78	FRXAN	*Fraxinus angustifolia*	*Xf* subsp. *multiplex*	A
79	FRXEX	*Fraxinus excelsior*	*Xf* subsp. *multiplex*	A
80	FRXSS	*Fraxinus* sp.	*Xf* subsp. *multiplex*	A
81	GAZRI	*Gazania rigens*	*Xf* subsp. *multiplex*	A
82	GENCO	*Genista corsica*	*Xf* subsp. *multiplex*	A
83	GENEP	*Genista ephedroides*	*Xf* subsp. *multiplex*	A
84	GENSC	*Genista scorpius*	*Xf* subsp. *multiplex*	A
85	GENSS	*Genista* sp.	*Xf* subsp. *multiplex*	A
86	QEMTR	*Genista tridentata*	*Xf* subsp. *multiplex*	A
87	CC279A	*Genista valdes-bermejoi*	*Xf* subsp. *multiplex*	A
88	GENSA	*Genista* × *spachiana*	*Xf* subsp. *multiplex*	A
89	GIKBI	*Ginkgo biloba*	*Xf* subsp. *multiplex*	A
90	GLITR	*Gleditsia triacanthos*	*Xf* subsp. *multiplex*	A
91	GREJU	*Grevillea juniperina*	*Xf* subsp. *multiplex*	A
92	GRERS	*Grevillea rosmarinifolia*	*Xf* subsp. *multiplex*	A
93	HBEEL	*Hebe elliptica*	*Xf* subsp. *multiplex*	A
94	HBESS	*Hebe* sp.	*Xf* subsp. *multiplex*	A
95	HELAN	*Helianthus annuus*	*Xf* subsp. *multiplex*	A
96	HELSS	*Helianthus* sp.	*Xf* subsp. *multiplex*	A
97	HECIT	*Helichrysum italicum*	*Xf* subsp. *multiplex*	A
98	HECSS	*Helichrysum* sp.	*Xf* subsp. *multiplex*	A
99	HECST	*Helichrysum stoechas*	*Xf* subsp. *multiplex*	A
100	HIBSY	*Hibiscus syriacus*	*Xf* subsp. *multiplex*	A
101	HYPAN	*Hypericum androsaemum*	*Xf* subsp. *multiplex*	A
102	HYPPE	*Hypericum perforatum*	*Xf* subsp. *multiplex*	A
103	ILEAQ	*Ilex aquifolium*	*Xf* subsp. *multiplex*	A
104	IVAAN	*Iva annua*	*Xf* subsp. *multiplex*	A
105	SENBI	*Jacobaea maritima*	*Xf* subsp. *multiplex*	A
106	KOTBI	*Koelreuteria bipinnata*	*Xf* subsp. *multiplex*	A
107	LAEIN	*Lagerstroemia indica*	*Xf* subsp. *multiplex*	A
108	LAESS	*Lagerstroemia* sp.	*Xf* subsp. *multiplex*	A
109	LURNO	*Laurus nobilis*	*Xf* subsp. *multiplex*	A
110	LAVAN	*Lavandula angustifolia*	*Xf* subsp. *multiplex*	A
111	LAVDE	*Lavandula dentata*	*Xf* subsp. *multiplex*	A
112	LAVLA	*Lavandula latifolia*	*Xf* subsp. *multiplex*	A
113	LAVSS	*Lavandula* sp.	*Xf* subsp. *multiplex*	A
114	LAVST	*Lavandula stoechas*	*Xf* subsp. *multiplex*	A
115	LAVHE	*Lavandula* × *heterophylla*	*Xf* subsp. *multiplex*	A
116	LAVIN	*Lavandula* × *intermedia*	*Xf* subsp. *multiplex*	A
117	KLCBR	*Leucophyta brownii*	*Xf* subsp. *multiplex*	A
118	LIQST	*Liquidambar styraciflua*	*Xf* subsp. *multiplex*	A
119	LONIM	*Lonicera implexa*	*Xf* subsp. *multiplex*	A
120	LONJA	*Lonicera japonica*	*Xf* subsp. *multiplex*	A
121	LONPE	*Lonicera periclymenum*	*Xf* subsp. *multiplex*	A
122	LONSS	*Lonicera* sp.	*Xf* subsp. *multiplex*	A
123	LUPAD	*Lupinus aridorum*	*Xf* subsp. *multiplex*	A
124	LUPVI	*Lupinus villosus*	*Xf* subsp. *multiplex*	A
125	MAGGR	*Magnolia grandiflora*	*Xf* subsp. *multiplex*	A
126	MAGSO	*Magnolia* × *soulangeana*	*Xf* subsp. *multiplex*	A
127	LVACR	*Malva multiflora*	*Xf* subsp. *multiplex*	A

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n.	Plant EPPO code	Plant species	Pest	Category
128	MEDAR	*Medicago arborea*	*Xf* subsp. *multiplex*	A
129	MEDSA	*Medicago sativa*	*Xf* subsp. *multiplex*	A
130	CLXCI	*Melaleuca citrina*	*Xf* subsp. *multiplex*	A
131	MENSU	*Mentha suaveolens*	*Xf* subsp. *multiplex*	A
132	MTDEX	*Metrosideros excelsa*	*Xf* subsp. *multiplex*	A
133	MTDSS	*Metrosideros* sp.	*Xf* subsp. *multiplex*	A
134	MYMLA	*Myoporum laetum*	*Xf* subsp. *multiplex*	A
135	MYMSS	*Myoporum* sp.	*Xf* subsp. *multiplex*	A
136	MYVCO	*Myrtus communis*	*Xf* subsp. *multiplex*	A
137	NEROL	*Nerium oleander*	*Xf* subsp. *multiplex*	A
138	OLVEU	*Olea europaea*	*Xf* subsp. *multiplex*	A
139	OLVES	*Olea europaea* subsp. *sylvestris*	*Xf* subsp. *multiplex*	A
140	OLVSS	*Olea* sp.	*Xf* subsp. *multiplex*	A
141	PELGV	*Pelargonium graveolens*	*Xf* subsp. *multiplex*	A
142	PELSS	*Pelargonium* sp.	*Xf* subsp. *multiplex*	A
143	CC135A	*Periwinkle* (common name)	*Xf* subsp. *multiplex*	A
144	PGASA	*Phagnalon saxatile*	*Xf* subsp. *multiplex*	A
145	PLRAN	*Phillyrea angustifolia*	*Xf* subsp. *multiplex*	A
146	PLMFR	*Phlomis fruticosa*	*Xf* subsp. *multiplex*	A
147	PLMIT	*Phlomis italica*	*Xf* subsp. *multiplex*	A
148	PIAVE	*Pistacia vera*	*Xf* subsp. *multiplex*	A
149	PLALA	*Plantago lanceolata*	*Xf* subsp. *multiplex*	A
150	PLTOC	*Platanus occidentalis*	*Xf* subsp. *multiplex*	A
151	PLTSS	*Platanus* sp.	*Xf* subsp. *multiplex*	A
152	PLTHY	*Platanus* × *hispanica*	*Xf* subsp. *multiplex*	A
153	POGMY	*Polygala myrtifolia*	*Xf* subsp. *multiplex*	A
154	CC207A	*Polygala* × *grandiflora nana*	*Xf* subsp. *multiplex*	A
155	PRNAR	*Prunus armeniaca*	*Xf* subsp. *multiplex*	A
156	PRNAV	*Prunus avium*	*Xf* subsp. *multiplex*	A
157	PRNCF	*Prunus cerasifera*	*Xf* subsp. *multiplex*	A
158	PRNCE	*Prunus cerasus*	*Xf* subsp. *multiplex*	A
159	PRNDO	*Prunus domestica*	*Xf* subsp. *multiplex*	A
160	PRNDU	*Prunus dulcis*	*Xf* subsp. *multiplex*	A
161	PRNLR	*Prunus laurocerasus*	*Xf* subsp. *multiplex*	A
162	PRNME	*Prunus mexicana*	*Xf* subsp. *multiplex*	A
163	PRNPS	*Prunus persica*	*Xf* subsp. *multiplex*	A
164	PRNSC	*Prunus salicina*	*Xf* subsp. *multiplex*	A
165	PRNSS	*Prunus* sp.	*Xf* subsp. *multiplex*	A
166	PTEAQ	*Pteridium aquilinum*	*Xf* subsp. *multiplex*	A
167	QUECE	*Quercus cerris*	*Xf* subsp. *multiplex*	A
168	QUECO	*Quercus coccinea*	*Xf* subsp. *multiplex*	A
169	QUEFC	*Quercus falcata*	*Xf* subsp. *multiplex*	A
170	QUEIL	*Quercus ilex*	*Xf* subsp. *multiplex*	A
171	QUELA	*Quercus laevis*	*Xf* subsp. *multiplex*	A
172	QUEMC	*Quercus macrocarpa*	*Xf* subsp. *multiplex*	A
173	QUENI	*Quercus nigra*	*Xf* subsp. *multiplex*	A
174	QUEPA	*Quercus palustris*	*Xf* subsp. *multiplex*	A
175	QUEPH	*Quercus phellos*	*Xf* subsp. *multiplex*	A
176	QUEPU	*Quercus pubescens*	*Xf* subsp. *multiplex*	A
177	QUERO	*Quercus robur*	*Xf* subsp. *multiplex*	A

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n.	Plant EPPO code	Plant species	Pest	Category
178	QUERU	*Quercus rubra*	*Xf* subsp. *multiplex*	A
179	QUESH	*Quercus shumardii*	*Xf* subsp. *multiplex*	A
180	QUESS	*Quercus* sp.	*Xf* subsp. *multiplex*	A
181	QUESU	*Quercus suber*	*Xf* subsp. *multiplex*	A
182	RATCO	*Ratibida columnifera*	*Xf* subsp. *multiplex*	A
183	LGOMO	*Retama monosperma*	*Xf* subsp. *multiplex*	A
184	POLCU	*Reynoutria japonica*	*Xf* subsp. *multiplex*	A
185	RHAAL	*Rhamnus alaternus*	*Xf* subsp. *multiplex*	A
186	ROBPS	*Robinia pseudoacacia*	*Xf* subsp. *multiplex*	A
187	ROSCN	*Rosa canina*	*Xf* subsp. *multiplex*	A
188	ROSSS	*Rosa* sp.	*Xf* subsp. *multiplex*	A
189	RUBSS	*Rubus* sp.	*Xf* subsp. *multiplex*	A
190	RUBUL	*Rubus ulmifolius*	*Xf* subsp. *multiplex*	A
191	RUAGR	*Ruta graveolens*	*Xf* subsp. *multiplex*	A
192	PEKAB	*Salvia abrotanoides*	*Xf* subsp. *multiplex*	A
193	SALMF	*Salvia mellifera*	*Xf* subsp. *multiplex*	A
194	SALOF	*Salvia officinalis*	*Xf* subsp. *multiplex*	A
195	RMSOF	*Salvia rosmarinus*	*Xf* subsp. *multiplex*	A
196	SALSS	*Salvia* sp.	*Xf* subsp. *multiplex*	A
197	SAMNI	*Sambucus nigra*	*Xf* subsp. *multiplex*	A
198	SAMSS	*Sambucus* sp.	*Xf* subsp. *multiplex*	A
199	SNTCH	*Santolina chamaecyparissus*	*Xf* subsp. *multiplex*	A
200	SNTMA	*Santolina magonica*	*Xf* subsp. *multiplex*	A
201	SNTSS	*Santolina* sp.	*Xf* subsp. *multiplex*	A
202	SAKSA	*Sapindus saponaria*	*Xf* subsp. *multiplex*	A
203	SXLAM	*Scabiosa atropurpurea* var. *maritima*	*Xf* subsp. *multiplex*	A
204	SENIQ	*Senecio inaequidens*	*Xf* subsp. *multiplex*	A
205	SOOVI	*Solidago virgaurea*	*Xf* subsp. *multiplex*	A
206	SPUJU	*Spartium junceum*	*Xf* subsp. *multiplex*	A
207	SPUSS	*Spartium* sp.	*Xf* subsp. *multiplex*	A
208	STZRE	*Strelitzia reginae*	*Xf* subsp. *multiplex*	A
209	SYRVU	*Syringa vulgaris*	*Xf* subsp. *multiplex*	A
210	ULEEU	*Ulex europaeus*	*Xf* subsp. *multiplex*	A
211	ULEMC	*Ulex micranthus*	*Xf* subsp. *multiplex*	A
212	ULEMI	*Ulex minor*	*Xf* subsp. *multiplex*	A
213	ULEPA	*Ulex parviflorus*	*Xf* subsp. *multiplex*	A
214	ULESS	*Ulex* sp.	*Xf* subsp. *multiplex*	A
215	ULMAM	*Ulmus americana*	*Xf* subsp. *multiplex*	A
216	ULMCR	*Ulmus crassifolia*	*Xf* subsp. *multiplex*	A
217	ULMSS	*Ulmus* sp.	*Xf* subsp. *multiplex*	A
218	VACAH	*Vaccinium ashei*	*Xf* subsp. *multiplex*	A
219	VACCO	*Vaccinium corymbosum*	*Xf* subsp. *multiplex*	A
220	VACSS	*Vaccinium* sp.	*Xf* subsp. *multiplex*	A
221	VIBTI	*Viburnum tinus*	*Xf* subsp. *multiplex*	A
222	VINMA	*Vinca major*	*Xf* subsp. *multiplex*	A
223	VINMI	*Vinca minor*	*Xf* subsp. *multiplex*	A
224	VINSS	*Vinca* sp.	*Xf* subsp. *multiplex*	A
225	VIXAC	*Vitex agnus-castus*	*Xf* subsp. *multiplex*	A
226	VITAE	*Vitis aestivalis*	*Xf* subsp. *multiplex*	A
227	VITSS	*Vitis* sp.	*Xf* subsp. *multiplex*	A
228	VITVI	*Vitis vinifera*	*Xf* subsp. *multiplex*	A

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category
229	WESRO	*Westringia fruticosa*	*Xf* subsp. *multiplex*	A
230	XANST	*Xanthium strumarium*	*Xf* subsp. *multiplex*	A
231	ACRPL	*Acer platanoides*	*Xf* subsp. *multiplex*	C
232	CCOSS	*Calicotome* sp.	*Xf* subsp. *multiplex*	C
233	CSTIS	*Cistus* × *incanus*	*Xf* subsp. *multiplex*	C
234	LIRTU	*Liriodendron tulipifera*	*Xf* subsp. *multiplex*	C
235	POGSS	*Polygala* sp.	*Xf* subsp. *multiplex*	C
236	CC206A	*Polygala* × *dalmaisiana*	*Xf* subsp. *multiplex*	C
237	RHASS	*Rhamnus* sp.	*Xf* subsp. *multiplex*	C

n.	Plant EPPO code	Plant species	Pest	Category
1	ACASA	*Acacia saligna*	*Xf* subsp. *pauca*	A
2	ACASS	*Acacia* sp.	*Xf* subsp. *pauca*	A
3	AMARE	*Amaranthus retroflexus*	*Xf* subsp. *pauca*	A
4	ASPAC	*Asparagus acutifolius*	*Xf* subsp. *pauca*	A
5	CTURO	*Catharanthus roseus*	*Xf* subsp. *pauca*	A
6	CHEAL	*Chenopodium album*	*Xf* subsp. *pauca*	A
7	CSTAL	*Cistus albidus*	*Xf* subsp. *pauca*	A
8	CSTIC	*Cistus creticus*	*Xf* subsp. *pauca*	A
9	CIDSS	*Citrus* sp.	*Xf* subsp. *pauca*	A
10	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. *pauca*	A
11	COFAR	*Coffea arabica*	*Xf* subsp. *pauca*	A
12	COFSS	*Coffea* sp.	*Xf* subsp. *pauca*	A
13	OSPFR	*Dimorphotheca fruticosa*	*Xf* subsp. *pauca*	A
14	DODVI	*Dodonaea viscosa*	*Xf* subsp. *pauca*	A
15	ELGAN	*Elaeagnus angustifolia*	*Xf* subsp. *pauca*	A
16	EMHMA	*Eremophila maculata*	*Xf* subsp. *pauca*	A
17	ERIBO	*Erigeron bonariensis*	*Xf* subsp. *pauca*	A
18	ERISS	*Erigeron* sp.	*Xf* subsp. *pauca*	A
19	ERISU	*Erigeron sumatrensis*	*Xf* subsp. *pauca*	A
20	EPHCH	*Euphorbia chamaesyce*	*Xf* subsp. *pauca*	A
21	EPHTE	*Euphorbia terracina*	*Xf* subsp. *pauca*	A
22	GENHS	*Genista hirsuta*	*Xf* subsp. *pauca*	A
23	GREJU	*Grevillea juniperina*	*Xf* subsp. *pauca*	A
24	HBESS	*Hebe* sp.	*Xf* subsp. *pauca*	A
25	HEOEU	*Heliotropium europaeum*	*Xf* subsp. *pauca*	A
26	HIBRS	*Hibiscus rosa-sinensis*	*Xf* subsp. *pauca*	A
27	HIBSS	*Hibiscus* sp.	*Xf* subsp. *pauca*	A
28	LURNO	*Laurus nobilis*	*Xf* subsp. *pauca*	A
29	LAVAN	*Lavandula angustifolia*	*Xf* subsp. *pauca*	A
30	LAVDE	*Lavandula dentata*	*Xf* subsp. *pauca*	A
31	LAVSS	*Lavandula* sp.	*Xf* subsp. *pauca*	A
32	LAVST	*Lavandula stoechas*	*Xf* subsp. *pauca*	A
33	MYMIN	*Myoporum insulare*	*Xf* subsp. *pauca*	A
34	MYVCO	*Myrtus communis*	*Xf* subsp. *pauca*	A
35	NEROL	*Nerium oleander*	*Xf* subsp. *pauca*	A
36	OLVEU	*Olea europaea*	*Xf* subsp. *pauca*	A
37	OLVES	*Olea europaea* subsp. *sylvestris*	*Xf* subsp. *pauca*	A
38	PELSS	*Pelargonium* sp.	*Xf* subsp. *pauca*	A
39	PELFR	*Pelargonium* × *fragrans*	*Xf* subsp. *pauca*	A
40	CC135A	*Periwinkle* (common name)	*Xf* subsp. *pauca*	A

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n.	Plant EPPO code	Plant species	Pest	Category	
41	PLRLA	*Phillyrea latifolia*	*Xf* subsp. *pauca*	A	
42	PIAVE	*Pistacia vera*	*Xf* subsp. *pauca*	A	
43	POGMY	*Polygala myrtifolia*	*Xf* subsp. *pauca*	A	
44	PRNAV	*Prunus avium*	*Xf* subsp. *pauca*	A	
45	PRNDO	*Prunus domestica*	*Xf* subsp. *pauca*	A	
46	PRNDU	*Prunus dulcis*	*Xf* subsp. *pauca*	A	
47	PRNSS	*Prunus* sp.	*Xf* subsp. *pauca*	A	
48	RHAAL	*Rhamnus alaternus*	*Xf* subsp. *pauca*	A	
49	RMSOF	*Salvia rosmarinus*	*Xf* subsp. *pauca*	A	
50	SPUJU	*Spartium junceum*	*Xf* subsp. *pauca*	A	
51	THYVU	*Thymus vulgaris*	*Xf* subsp. *pauca*	A	
52	ULEPA	*Ulex parviflorus*	*Xf* subsp. *pauca*	A	
53	VINMI	*Vinca minor*	*Xf* subsp. *pauca*	A	
54	WESRO	*Westringia fruticosa*	*Xf* subsp. *pauca*	A	
55	WESGL	*Westringia glabra*	*Xf* subsp. *pauca*	A	
56	POGSS	*Polygala* sp.	*Xf* subsp. *pauca*		C
57	PRNPS	*Prunus persica*	*Xf* subsp. *pauca*		C
58	QUEIL	*Quercus ilex*	*Xf* subsp. *pauca*		C
59	SALOF	*Salvia officinalis*	*Xf* subsp. *pauca*		C
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	MORAL	*Morus alba*	*Xf* subsp. *morus*	A	
2	MORRU	*Morus rubra*	*Xf* subsp. *morus*	A	
3	MORSS	*Morus* sp.	*Xf* subsp. *morus*	A	
4	NANDO	*Nandina domestica*	*Xf* subsp. *morus*	A	
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	COFAR	*Coffea arabica*	*Xf* subsp. *sandyi*	A	
2	COFSS	*Coffea* sp.	*Xf* subsp. *sandyi*	A	
3	HEGSS	*Hemerocallis* sp.	*Xf* subsp. *sandyi*	A	
4	IACMI	*Jacaranda mimosifolia*	*Xf* subsp. *sandyi*	A	
5	MAGGR	*Magnolia grandiflora*	*Xf* subsp. *sandyi*	A	
6	NANDO	*Nandina domestica*	*Xf* subsp. *sandyi*	A	
7	NEROL	*Nerium oleander*	*Xf* subsp. *sandyi*	A	
8	POGMY	*Polygala myrtifolia*	*Xf* subsp. *sandyi*		C
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	CXKTA	*Chitalpa tashkentensis*	*Xf* subsp. *tashke*	A	
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	COFAR	*Coffea arabica*	*Xf* subsp. *fastidiosa/sandyi*	A	
2	COFCA	*Coffea canephora*	*Xf* subsp. *fastidiosa/sandyi*	A	
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	PYUPY	*Pyrus pyrifolia*	*Xylella taiwanensis*	A	

APPENDIX B

Host plant species artificially infected

List of host plant species, artificially infected, of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *morus*, subsp. *multiplex*, subsp. *pauca*, subsp. *sandyi* and subsp. *tashke* according to categories A, B, C, D, E (as reported in Section 2.4.2):

A. Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

B. The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

C. Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

D. Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

E. All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation.

n.	Plant EPPO code	Plant species	Pest	Category
1	ACRMA	*Acer macrophyllum*	*Xf* subsp. unknown	A
2	ACRNE	*Acer negundo*	*Xf* subsp. unknown	A
3	AECCA	*Aesculus californica*	*Xf* subsp. unknown	A
4	ALURH	*Alnus rhombifolia*	*Xf* subsp. unknown	A
5	AMBEL	*Ambrosia artemisiifolia*	*Xf* subsp. unknown	A
6	AMBSS	*Ambrosia* sp.	*Xf* subsp. unknown	A
7	ARBTH	*Arabidopsis thaliana*	*Xf* subsp. unknown	A
8	ARTDO	*Artemisia douglasiana*	*Xf* subsp. unknown	A
9	BACPI	*Baccharis pilularis*	*Xf* subsp. unknown	A
10	BACSF	*Baccharis salicifolia*	*Xf* subsp. unknown	A
11	BRSNI	*Brassica nigra*	*Xf* subsp. unknown	A
12	CYAIL	*Carya illinoinensis*	*Xf* subsp. unknown	A
13	CTURO	*Catharanthus roseus*	*Xf* subsp. unknown	A
14	CC153A	*Citrus clementina* × *C. sinensis*	*Xf* subsp. unknown	A
15	CIDRH	*Citrus reshni*	*Xf* subsp. unknown	A
16	CIDRE	*Citrus reticulata*	*Xf* subsp. unknown	A
17	CIDSS	*Citrus* sp.	*Xf* subsp. unknown	A
18	CIDRA	*Citrus sunki*	*Xf* subsp. unknown	A
19	CIDAF	*Citrus* × *aurantiifolia*	*Xf* subsp. unknown	A
20	CIDCL	*Citrus* × *aurantium* var. *clementina*	*Xf* subsp. unknown	A
21	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. unknown	A
22	CIDUN	*Citrus* × *aurantium* var. *unshiu*	*Xf* subsp. unknown	A
23	CIDLO	*Citrus* × *limonia*	*Xf* subsp. unknown	A
24	CIDJA	*Citrus* × *limonia* var. *jambhiri*	*Xf* subsp. unknown	A
25	CIDNO	*Citrus* × *nobilis*	*Xf* subsp. unknown	A
26	COFAR	*Coffea arabica*	*Xf* subsp. unknown	A
27	COFSS	*Coffea* sp.	*Xf* subsp. unknown	A
28	COIMA	*Conium maculatum*	*Xf* subsp. unknown	A
29	CPMRE	*Coprosma repens*	*Xf* subsp. unknown	A
30	CORSA	*Coriandrum sativum*	*Xf* subsp. unknown	A
31	CYPER	*Cyperus eragrostis*	*Xf* subsp. unknown	A

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n.	Plant EPPO code	Plant species	Pest	Category
32	ECHCG	*Echinochloa crus-galli*	*Xf* subsp. unknown	A
33	FAGES	*Fagopyrum esculentum*	*Xf* subsp. unknown	A
34	FRXLA	*Fraxinus latifolia*	*Xf* subsp. unknown	A
35	TLNMO	*Genista monspessulana*	*Xf* subsp. unknown	A
36	CC181A	*Hakea petiolaris*	*Xf* subsp. unknown	A
37	HEEHE	*Hedera helix*	*Xf* subsp. unknown	A
38	LOUMA	*Lobularia maritima*	*Xf* subsp. unknown	A
39	MEDSA	*Medicago sativa*	*Xf* subsp. unknown	A
40	MORAL	*Morus alba*	*Xf* subsp. unknown	A
41	MORSS	*Morus* sp.	*Xf* subsp. unknown	A
42	NEROL	*Nerium oleander*	*Xf* subsp. unknown	A
43	NIOBE	*Nicotiana benthamiana*	*Xf* subsp. unknown	A
44	NIOTA	*Nicotiana tabacum*	*Xf* subsp. unknown	A
45	PRTQU	*Parthenocissus quinquefolia*	*Xf* subsp. unknown	A
46	CC135A	*Periwinkle* (common name)	*Xf* subsp. unknown	A
47	PEBAM	*Persea americana*	*Xf* subsp. unknown	A
48	PLTOC	*Platanus occidentalis*	*Xf* subsp. unknown	A
49	POPFR	*Populus fremontii*	*Xf* subsp. unknown	A
50	PRNCF	*Prunus cerasifera*	*Xf* subsp. unknown	A
51	PRNDU	*Prunus dulcis*	*Xf* subsp. unknown	A
52	PRNPS	*Prunus persica*	*Xf* subsp. unknown	A
53	PRNSC	*Prunus salicina*	*Xf* subsp. unknown	A
54	PRNSC	*Prunus salicina*	*Xf* subsp. unknown	A
55	PRNSS	*Prunus* sp.	*Xf* subsp. unknown	A
56	PYUPY	*Pyrus pyrifolia*	*Xf* subsp. unknown	A
57	QUEAG	*Quercus agrifolia*	*Xf* subsp. unknown	A
58	QUELO	*Quercus lobata*	*Xf* subsp. unknown	A
59	QUERU	*Quercus rubra*	*Xf* subsp. unknown	A
60	ROSCA	*Rosa californica*	*Xf* subsp. unknown	A
61	RUBHP	*Rubus procerus*	*Xf* subsp. unknown	A
62	RUBDI	*Rubus rigidus*	*Xf* subsp. unknown	A
63	RUBUR	*Rubus ursinus*	*Xf* subsp. unknown	A
64	SAXLG	*Salix laevigata*	*Xf* subsp. unknown	A
65	SAXLL	*Salix lasiolepis*	*Xf* subsp. unknown	A
66	SALAP	*Salvia apiana*	*Xf* subsp. unknown	A
67	SALMF	*Salvia mellifera*	*Xf* subsp. unknown	A
68	SAMCN	*Sambucus canadensis*	*Xf* subsp. unknown	A
69	SAMSS	*Sambucus* sp.	*Xf* subsp. unknown	A
70	SPUJU	*Spartium junceum*	*Xf* subsp. unknown	A
71	SWAGA	*Swainsona galegifolia*	*Xf* subsp. unknown	A
72	SYPAL	*Symphoricarpos albus*	*Xf* subsp. unknown	A
73	RHUDI	*Toxicodendron diversilobum*	*Xf* subsp. unknown	A
74	ULMAM	*Ulmus americana*	*Xf* subsp. unknown	A
75	UMBCA	*Umbellularia californica*	*Xf* subsp. unknown	A
76	URTDI	*Urtica dioica*	*Xf* subsp. unknown	A
77	VACCO	*Vaccinium corymbosum*	*Xf* subsp. unknown	A
78	VACSS	*Vaccinium* sp.	*Xf* subsp. unknown	A
79	VICSA	*Vicia sativa*	*Xf* subsp. unknown	A
80	VINMA	*Vinca major*	*Xf* subsp. unknown	A
81	VINMI	*Vinca minor*	*Xf* subsp. unknown	A
82	CC229A	*Vitis arizonica* × *V. rupestris*	*Xf* subsp. unknown	A

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category
83	CC233A	*Vitis arizonica/candicans* × *V. rupestris*	*Xf* subsp. unknown	A
84	VITCL	*Vitis californica*	*Xf* subsp. unknown	A
85	CC241A	*Vitis labrusca* × *V. vinifera*	*Xf* subsp. unknown	A
86	VITRF	*Vitis rotundifolia*	*Xf* subsp. unknown	A
87	CC244A	*Vitis rotundifolia* × *V. rupestris*	*Xf* subsp. unknown	A
88	VITRU	*Vitis rupestris*	*Xf* subsp. unknown	A
89	VITSS	*Vitis* sp.	*Xf* subsp. unknown	A
90	VITVI	*Vitis vinifera*	*Xf* subsp. unknown	A
91	MORRU	*Morus rubra*	*Xf* subsp. unknown	B
92	PRNDO	*Prunus domestica*	*Xf* subsp. unknown	B
93	CC249A	*Vitis aestivalis* var. *smalliana*	*Xf* subsp. unknown	B
94	CC232A	*Vitis arizonica/candicans*	*Xf* subsp. unknown	B
95	CC256A	*Vitis rufotomentosa*	*Xf* subsp. unknown	B
96	FRSAC	*Ambrosia acanthicarpa*	*Xf* subsp. unknown	C
97	AMBTT	*Ambrosia trifida* var. *texana*	*Xf* subsp. unknown	C
98	AMSDO	*Amsinckia douglasiana*	*Xf* subsp. unknown	C
99	AVEFA	*Avena fatua*	*Xf* subsp. unknown	C
100	BRAPL	*Brachiaria plantaginea*	*Xf* subsp. unknown	C
101	BROCA	*Bromus catharticus*	*Xf* subsp. unknown	C
102	BRORI	*Bromus rigidus*	*Xf* subsp. unknown	C
103	BROSS	*Bromus* sp.	*Xf* subsp. unknown	C
104	CSPCH	*Callistephus chinensis*	*Xf* subsp. unknown	C
105	CNNSS	*Canna* sp.	*Xf* subsp. unknown	C
106	PESGL	*Cenchrus americanus*	*Xf* subsp. unknown	C
107	PESCL	*Cenchrus clandestinus*	*Xf* subsp. unknown	C
108	CC154A	*Citrus deliciosa* × *C. sinensis*	*Xf* subsp. unknown	C
109	CIDME	*Citrus medica*	*Xf* subsp. unknown	C
110	PMITR	*Citrus trifoliata*	*Xf* subsp. unknown	C
111	CIDTG	*Citrus* × *aurantium* var. *tangerina*	*Xf* subsp. unknown	C
112	CIDRP	*Citrus* × *tangelo*	*Xf* subsp. unknown	C
113	GODGR	*Clarkia amoena* subsp. *lindleyi*	*Xf* subsp. unknown	C
114	CPMBA	*Coprosma baueri*	*Xf* subsp. unknown	C
115	CTTRT	*Cotoneaster rotundifolius*	*Xf* subsp. unknown	C
116	CYNDA	*Cynodon dactylon*	*Xf* subsp. unknown	C
117	CYPES	*Cyperus esculentus*	*Xf* subsp. unknown	C
118	SAOSC	*Cytisus scoparius*	*Xf* subsp. unknown	C
119	DAUCS	*Daucus carota* subsp. *sativus*	*Xf* subsp. unknown	C
120	DIGSA	*Digitaria sanguinalis*	*Xf* subsp. unknown	C
121	CHEAM	*Dysphania ambrosioides*	*Xf* subsp. unknown	C
122	EPIPC	*Epilobium brachycarpum*	*Xf* subsp. unknown	C
123	EPICT	*Epilobium ciliatum*	*Xf* subsp. unknown	C
124	ERADF	*Eragrostis diffusa*	*Xf* subsp. unknown	C
125	EROCI	*Erodium cicutarium*	*Xf* subsp. unknown	C
126	POLCO	*Fallopia convolvulus*	*Xf* subsp. unknown	C
127	VLPMY	*Festuca myuros*	*Xf* subsp. unknown	C
128	GREAL	*Grevillea alpina*	*Xf* subsp. unknown	C
129	HELAN	*Helianthus annuus*	*Xf* subsp. unknown	C
130	PHNAR	*Heteromeles arbutifolia*	*Xf* subsp. unknown	C
131	HORMU	*Hordeum murinum*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category
132	HORVX	*Hordeum vulgare*	*Xf* subsp. unknown	C
133	IVAAN	*Iva annua*	*Xf* subsp. unknown	C
134	LACSE	*Lactuca serriola*	*Xf* subsp. unknown	C
135	LTHCI	*Lathyrus cicera*	*Xf* subsp. unknown	C
136	LTHCL	*Lathyrus clymenum*	*Xf* subsp. unknown	C
137	LTHSA	*Lathyrus sativus*	*Xf* subsp. unknown	C
138	LEKLA	*Leptospermum laevigatum*	*Xf* subsp. unknown	C
139	LOLMU	*Lolium multiflorum*	*Xf* subsp. unknown	C
140	LOLTE	*Lolium temulentum*	*Xf* subsp. unknown	C
141	LONJA	*Lonicera japonica*	*Xf* subsp. unknown	C
142	MEUAL	*Melilotus albus*	*Xf* subsp. unknown	C
143	MEUAA	*Melilotus albus* var. *annuus*	*Xf* subsp. unknown	C
144	MEUIN	*Melilotus indicus*	*Xf* subsp. unknown	C
145	MEUOF	*Melilotus officinalis*	*Xf* subsp. unknown	C
146	MENSS	*Mentha* sp.	*Xf* subsp. unknown	C
147	OENSA	*Oenanthe sarmentosa*	*Xf* subsp. unknown	C
148	OEOEL	*Oenothera elata*	*Xf* subsp. unknown	C
149	OLVEU	*Olea europaea*	*Xf* subsp. unknown	C
150	PRTTR	*Parthenocissus tricuspidata*	*Xf* subsp. unknown	C
151	PASDI	*Paspalum dilatatum*	*Xf* subsp. unknown	C
152	PELZO	*Pelargonium* × *hortorum*	*Xf* subsp. unknown	C
153	POLPE	*Persicaria maculosa*	*Xf* subsp. unknown	C
154	PHAMI	*Phalaris minor*	*Xf* subsp. unknown	C
155	PHAPA	*Phalaris paradoxa*	*Xf* subsp. unknown	C
156	PHLPR	*Phleum pratense*	*Xf* subsp. unknown	C
157	PTUCR	*Pittosporum crassifolium*	*Xf* subsp. unknown	C
158	PLTSS	*Platanus* sp.	*Xf* subsp. unknown	C
159	POAAN	*Poa annua*	*Xf* subsp. unknown	C
160	RESOD	*Reseda odorata*	*Xf* subsp. unknown	C
161	RHERP	*Rheum rhaponticum*	*Xf* subsp. unknown	C
162	RUBVI	*Rubus vitifolius*	*Xf* subsp. unknown	C
163	RUMCR	*Rumex crispus*	*Xf* subsp. unknown	C
164	SAMGL	*Sambucus cerulea*	*Xf* subsp. unknown	C
165	SONAS	*Sonchus asper*	*Xf* subsp. unknown	C
166	SORHA	*Sorghum halepense*	*Xf* subsp. unknown	C
167	SORSU	*Sorghum* × *drummondii*	*Xf* subsp. unknown	C
168	SYRVU	*Syringa vulgaris*	*Xf* subsp. unknown	C
169	SYZPA	*Syzygium paniculatum*	*Xf* subsp. unknown	C
170	TRFFR	*Trifolium fragiferum*	*Xf* subsp. unknown	C
171	TRFHY	*Trifolium hybridum*	*Xf* subsp. unknown	C
172	TRFIN	*Trifolium incarnatum*	*Xf* subsp. unknown	C
173	TRFPR	*Trifolium pratense*	*Xf* subsp. unknown	C
174	TRFRE	*Trifolium repens*	*Xf* subsp. unknown	C
175	CC260A	*Trifolium repens* var. *latum*	*Xf* subsp. unknown	C
176	URTLY	*Urtica dioica* subsp. *gracilis*	*Xf* subsp. unknown	C
177	VICMO	*Vicia monantha*	*Xf* subsp. unknown	C
178	VITAC	*Vitis acerifolia*	*Xf* subsp. unknown	C
179	VITAE	*Vitis aestivalis*	*Xf* subsp. unknown	C
180	CC252A	*Vitis aestivalis* var. *smalliana* × *V. simpsonii*	*Xf* subsp. unknown	C
181	VITAZ	*Vitis arizonica*	*Xf* subsp. unknown	C

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n.	Plant EPPO code	Plant species	Pest	Category			
182	CC271A	*Vitis arizonica hybrid*	*Xf* subsp. unknown		C		
183	CC234A	*Vitis arizonica/girdiana*	*Xf* subsp. unknown		C		
184	CC235A	*Vitis arizonica/girdiana* × *V. rupestris*	*Xf* subsp. unknown		C		
185	VITBE	*Vitis berlandieri*	*Xf* subsp. unknown		C		
186	VITBL	*Vitis bloodworthiana*	*Xf* subsp. unknown		C		
187	VITCA	*Vitis candicans*	*Xf* subsp. unknown		C		
188	VITCI	*Vitis cinerea*	*Xf* subsp. unknown		C		
189	VITCN	*Vitis cinerea* var. *floridana*	*Xf* subsp. unknown		C		
190	CC239A	*Vitis cinerea* × *V. berlandieri*	*Xf* subsp. unknown		C		
191	VITGI	*Vitis girdiana*	*Xf* subsp. unknown		C		
192	VITLA	*Vitis labrusca*	*Xf* subsp. unknown		C		
193	VITLI	*Vitis lincecumii*	*Xf* subsp. unknown		C		
194	VITMO	*Vitis monticola*	*Xf* subsp. unknown		C		
195	VITMU	*Vitis munsoniana*	*Xf* subsp. unknown		C		
196	VITNE	*Vitis nesbittiana*	*Xf* subsp. unknown		C		
197	VITPA	*Vitis palmata*	*Xf* subsp. unknown		C		
198	VITRI	*Vitis riparia*	*Xf* subsp. unknown		C		
199	CC257A	*Vitis shuttleworthii*	*Xf* subsp. unknown		C		
200	VITTI	*Vitis tiliaefolia*	*Xf* subsp. unknown		C		
201	VITVU	*Vitis vulpina*	*Xf* subsp. unknown		C		
202	VITCH	*Vitis* × *champinii*	*Xf* subsp. unknown		C		
203	XANOR	*Xanthium orientale*	*Xf* subsp. unknown		C		
204	CC138A	*(Prunus salicina* × *P. angustifolia)* × *(P. salicina* × *P. munsoniana)*	*Xf* subsp. unknown			D	
205	PRNAN	*Prunus angustifolia*	*Xf* subsp. unknown			D	
206	PRNAV	*Prunus avium*	*Xf* subsp. unknown			D	
207	CC210A	*Prunus cerasifera* × *P. salicina*	*Xf* subsp. unknown			D	
208	CC213A	*Prunus salicina* × *(P. salicina* × *P. cerasifera)*	*Xf* subsp. unknown			D	
209	CC231A	*Vitis arizonica* × *V. vinifera*	*Xf* subsp. unknown			D	
210	CHEQU	*Chenopodium quinoa*	*Xf* subsp. unknown				E
211	CJCWE	*Citroncirus webberi*	*Xf* subsp. unknown				E
212	CIDMA	*Citrus* × *aurantiifolia* var. *macrophylla*	*Xf* subsp. unknown				E
213	NIOCL	*Nicotiana clevelandii*	*Xf* subsp. unknown				E
214	PRNAR	*Prunus armeniaca*	*Xf* subsp. unknown				E
215	PRNHO	*Prunus hortulana*	*Xf* subsp. unknown				E
216	PRNME	*Prunus mexicana*	*Xf* subsp. unknown				E
217	PRNMM	*Prunus mume*	*Xf* subsp. unknown				E

n.	Plant EPPO code	Plant species	Pest	Category
1	AMABL	*Amaranthus blitoides*	*Xf* subsp. *fastidiosa*	A
2	FRSAC	*Ambrosia acanthicarpa*	*Xf* subsp. *fastidiosa*	A
3	AMBEL	*Ambrosia artemisiifolia*	*Xf* subsp. *fastidiosa*	A
4	CTURO	*Catharanthus roseus*	*Xf* subsp. *fastidiosa*	A
5	CHEQU	*Chenopodium quinoa*	*Xf* subsp. *fastidiosa*	A
6	COFAR	*Coffea arabica*	*Xf* subsp. *fastidiosa*	A
7	COIMA	*Conium maculatum*	*Xf* subsp. *fastidiosa*	A
8	CONAR	*Convolvulus arvensis*	*Xf* subsp. *fastidiosa*	A
9	CYPES	*Cyperus esculentus*	*Xf* subsp. *fastidiosa*	A
10	DATWR	*Datura wrightii*	*Xf* subsp. *fastidiosa*	A
11	ECHCG	*Echinochloa crus-galli*	*Xf* subsp. *fastidiosa*	A
12	ERICA	*Erigeron canadensis*	*Xf* subsp. *fastidiosa*	A

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n.	Plant EPPO code	Plant species	Pest	Category
13	ERBGR	*Eriochloa gracilis*	*Xf* subsp. *fastidiosa*	A
14	EROMO	*Erodium moschatum*	*Xf* subsp. *fastidiosa*	A
15	EUCCM	*Eucalyptus camaldulensis*	*Xf* subsp. *fastidiosa*	A
16	EUCGL	*Eucalyptus globulus*	*Xf* subsp. *fastidiosa*	A
17	HELAN	*Helianthus annuus*	*Xf* subsp. *fastidiosa*	A
18	PHBPU	*Ipomoea purpurea*	*Xf* subsp. *fastidiosa*	A
19	LACSE	*Lactuca serriola*	*Xf* subsp. *fastidiosa*	A
20	MALPA	*Malva parviflora*	*Xf* subsp. *fastidiosa*	A
21	MEDSA	*Medicago sativa*	*Xf* subsp. *fastidiosa*	A
22	NIOGL	*Nicotiana glauca*	*Xf* subsp. *fastidiosa*	A
23	NIOTA	*Nicotiana tabacum*	*Xf* subsp. *fastidiosa*	A
24	POPTR	*Populus tremula*	*Xf* subsp. *fastidiosa*	A
25	POROL	*Portulaca oleracea*	*Xf* subsp. *fastidiosa*	A
26	PRNDU	*Prunus dulcis*	*Xf* subsp. *fastidiosa*	A
27	PRNSS	*Prunus* sp.	*Xf* subsp. *fastidiosa*	A
28	RUBUR	*Rubus ursinus*	*Xf* subsp. *fastidiosa*	A
29	RUMCR	*Rumex crispus*	*Xf* subsp. *fastidiosa*	A
30	SAXAL	*Salix alba*	*Xf* subsp. *fastidiosa*	A
31	SMMCH	*Simmondsia chinensis*	*Xf* subsp. *fastidiosa*	A
32	LYPES	*Solanum lycopersicum*	*Xf* subsp. *fastidiosa*	A
33	SOLME	*Solanum melongena*	*Xf* subsp. *fastidiosa*	A
34	SONOL	*Sonchus oleraceus*	*Xf* subsp. *fastidiosa*	A
35	SORHA	*Sorghum halepense*	*Xf* subsp. *fastidiosa*	A
36	VACCO	*Vaccinium corymbosum*	*Xf* subsp. *fastidiosa*	A
37	VACSS	*Vaccinium* sp.	*Xf* subsp. *fastidiosa*	A
38	VICFX	*Vicia faba*	*Xf* subsp. *fastidiosa*	A
39	VICSA	*Vicia sativa*	*Xf* subsp. *fastidiosa*	A
40	VITSS	*Vitis* sp.	*Xf* subsp. *fastidiosa*	A
41	VITVI	*Vitis vinifera*	*Xf* subsp. *fastidiosa*	A
42	CC247A	*Vitis vinifera hybrid*	*Xf* subsp. *fastidiosa*	A
43	XANST	*Xanthium strumarium*	*Xf* subsp. *fastidiosa*	A
44	ARBTH	*Arabidopsis thaliana*	*Xf* subsp. *fastidiosa*	B
45	CHYHO	*Chrysanthemum × morifolium*	*Xf* subsp. *fastidiosa*	C
46	LURNO	*Laurus nobilis*	*Xf* subsp. *fastidiosa*	C
47	MYVCO	*Myrtus communis*	*Xf* subsp. *fastidiosa*	C
48	NIOBE	*Nicotiana benthamiana*	*Xf* subsp. *fastidiosa*	C
49	OLVEU	*Olea europaea*	*Xf* subsp. *fastidiosa*	C
50	POGMY	*Polygala myrtifolia*	*Xf* subsp. *fastidiosa*	C
51	POPCN	*Populus × canescens*	*Xf* subsp. *fastidiosa*	C
52	PRNAR	*Prunus armeniaca*	*Xf* subsp. *fastidiosa*	C
53	PRNDO	*Prunus domestica*	*Xf* subsp. *fastidiosa*	C
54	CC211A	*Prunus dulcis × P. webbii*	*Xf* subsp. *fastidiosa*	C
55	PRNPS	*Prunus persica*	*Xf* subsp. *fastidiosa*	C
56	CC212A	*Prunus persica × P. webbii*	*Xf* subsp. *fastidiosa*	C
57	PRNWE	*Prunus webbii*	*Xf* subsp. *fastidiosa*	C
58	PYUCO	*Pyrus communis*	*Xf* subsp. *fastidiosa*	C
59	QUEPE	*Quercus petraea*	*Xf* subsp. *fastidiosa*	C
60	RUBDI	*Rubus rigidus*	*Xf* subsp. *fastidiosa*	C
61	SAXCP	*Salix caprea*	*Xf* subsp. *fastidiosa*	C
62	SAMCN	*Sambucus canadensis*	*Xf* subsp. *fastidiosa*	C
63	VINMA	*Vinca major*	*Xf* subsp. *fastidiosa*	C

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n.	Plant EPPO code	Plant species	Pest	Category		
64	CC277A	*Vitis* × *doaniana*	*Xf* subsp. *fastidiosa*		C	
65	VITAC	*Vitis acerifolia*	*Xf* subsp. *fastidiosa*		C	
66	VITAE	*Vitis aestivalis*	*Xf* subsp. *fastidiosa*		C	
67	VITAZ	*Vitis arizonica*	*Xf* subsp. *fastidiosa*		C	
68	CC232A	*Vitis arizonica/candicans*	*Xf* subsp. *fastidiosa*		C	
69	VITBE	*Vitis berlandieri*	*Xf* subsp. *fastidiosa*		C	
70	VITCL	*Vitis californica*	*Xf* subsp. *fastidiosa*		C	
71	VITCA	*Vitis candicans*	*Xf* subsp. *fastidiosa*		C	
72	CC237A	*Vitis champinii* × *(V. solonis* × *V. othello)*	*Xf* subsp. *fastidiosa*		C	
73	VITCI	*Vitis cinerea*	*Xf* subsp. *fastidiosa*		C	
74	VITGI	*Vitis girdiana*	*Xf* subsp. *fastidiosa*		C	
75	VITLA	*Vitis labrusca*	*Xf* subsp. *fastidiosa*		C	
76	VITMO	*Vitis monticola*	*Xf* subsp. *fastidiosa*		C	
77	VITNE	*Vitis nesbittiana*	*Xf* subsp. *fastidiosa*		C	
78	VITRI	*Vitis riparia*	*Xf* subsp. *fastidiosa*		C	
79	VITRF	*Vitis rotundifolia*	*Xf* subsp. *fastidiosa*		C	
80	VITRU	*Vitis rupestris*	*Xf* subsp. *fastidiosa*		C	
81	CC257A	*Vitis shuttleworthii*	*Xf* subsp. *fastidiosa*		C	
82	VITTI	*Vitis tiliaefolia*	*Xf* subsp. *fastidiosa*		C	
83	VITTL	*Vitis treleasei*	*Xf* subsp. *fastidiosa*		C	
84	VITVU	*Vitis vulpina*	*Xf* subsp. *fastidiosa*		C	
85	LIQST	*Liquidambar styraciflua*	*Xf* subsp. *fastidiosa*			E

n.	Plant EPPO code	Plant species	Pest	Category		
1	ACRRB	*Acer rubrum*	*Xf* subsp. *multiplex*	A		
2	AMBEL	*Ambrosia artemisiifolia*	*Xf* subsp. *multiplex*	A		
3	CYAIL	*Carya illinoinensis*	*Xf* subsp. *multiplex*	A		
4	COFAR	*Coffea arabica*	*Xf* subsp. *multiplex*	A		
5	HELAN	*Helianthus annuus*	*Xf* subsp. *multiplex*	A		
6	LIQST	*Liquidambar styraciflua*	*Xf* subsp. *multiplex*	A		
7	MEDSA	*Medicago sativa*	*Xf* subsp. *multiplex*	A		
8	NIOTA	*Nicotiana tabacum*	*Xf* subsp. *multiplex*	A		
9	OLVEU	*Olea europaea*	*Xf* subsp. *multiplex*	A		
10	PIAVE	*Pistacia vera*	*Xf* subsp. *multiplex*	A		
11	PLTOC	*Platanus occidentalis*	*Xf* subsp. *multiplex*	A		
12	POGMY	*Polygala myrtifolia*	*Xf* subsp. *multiplex*	A		
13	PRNCF	*Prunus cerasifera*	*Xf* subsp. *multiplex*	A		
14	PRNDU	*Prunus dulcis*	*Xf* subsp. *multiplex*	A		
15	PRNPS	*Prunus persica*	*Xf* subsp. *multiplex*	A		
16	PRNSS	*Prunus* sp.	*Xf* subsp. *multiplex*	A		
17	QUEFC	*Quercus falcata*	*Xf* subsp. *multiplex*	A		
18	RUBFR	*Rubus fruticosus*	*Xf* subsp. *multiplex*	A		
19	RUBUR	*Rubus ursinus*	*Xf* subsp. *multiplex*	A		
20	VACCO	*Vaccinium corymbosum*	*Xf* subsp. *multiplex*	A		
21	VITVI	*Vitis vinifera*	*Xf* subsp. *multiplex*	A		
22	BIDPI	*Bidens pilosa*	*Xf* subsp. *multiplex*		C	
23	CTURO	*Catharanthus roseus*	*Xf* subsp. *multiplex*		C	
24	LEPRU	*Lepidium ruderale*	*Xf* subsp. *multiplex*		C	
25	MABSD	*Malus domestica*	*Xf* subsp. *multiplex*		C	
26	NEROL	*Nerium oleander*	*Xf* subsp. *multiplex*		C	

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n.	Plant EPPO code	Plant species	Pest	Category		
27	PRNAR	*Prunus armeniaca*	*Xf* subsp. *multiplex*		C	
28	PRNAV	*Prunus avium*	*Xf* subsp. *multiplex*		C	
29	PRNDO	*Prunus domestica*	*Xf* subsp. *multiplex*		C	
30	CC212A	*Prunus persica* × *P. webbii*	*Xf* subsp. *multiplex*		C	
31	PRNSC	*Prunus salicina*	*Xf* subsp. *multiplex*		C	
32	PRNWE	*Prunus webbii*	*Xf* subsp. *multiplex*		C	
33	PYUCO	*Pyrus communis*	*Xf* subsp. *multiplex*		C	
34	QUEPE	*Quercus petraea*	*Xf* subsp. *multiplex*		C	
35	RAPSR	*Raphanus sativus*	*Xf* subsp. *multiplex*		C	
36	RHAAL	*Rhamnus alaternus*	*Xf* subsp. *multiplex*		C	
37	SAXAL	*Salix alba*	*Xf* subsp. *multiplex*		C	
38	SOLAM	*Solanum americanum*	*Xf* subsp. *multiplex*		C	
39	VACSS	*Vaccinium* sp.	*Xf* subsp. *multiplex*			E

n.	Plant EPPO code	Plant species	Pest	Category		
1	BIDPI	*Bidens pilosa*	*Xf* subsp. *pauca*	A		
2	BRADC	*Brachiaria decumbens*	*Xf* subsp. *pauca*	A		
3	BRAPL	*Brachiaria plantaginea*	*Xf* subsp. *pauca*	A		
4	CTURO	*Catharanthus roseus*	*Xf* subsp. *pauca*	A		
5	CIDRE	*Citrus reticulata*	*Xf* subsp. *pauca*	A		
6	CIDSS	*Citrus* sp.	*Xf* subsp. *pauca*	A		
7	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. *pauca*	A		
8	CIDNO	*Citrus* × *nobilis*	*Xf* subsp. *pauca*	A		
9	COFAR	*Coffea arabica*	*Xf* subsp. *pauca*	A		
10	COFSS	*Coffea* sp.	*Xf* subsp. *pauca*	A		
11	ECHCG	*Echinochloa crus-galli*	*Xf* subsp. *pauca*	A		
12	IASAZ	*Jasminum azoricum*	*Xf* subsp. *pauca*	A		
13	MEDSA	*Medicago sativa*	*Xf* subsp. *pauca*	A		
14	NEROL	*Nerium oleander*	*Xf* subsp. *pauca*	A		
15	NIOCL	*Nicotiana clevelandii*	*Xf* subsp. *pauca*	A		
16	NIOTA	*Nicotiana tabacum*	*Xf* subsp. *pauca*	A		
17	OCIBA	*Ocimum basilicum*	*Xf* subsp. *pauca*	A		
18	OLVEU	*Olea europaea*	*Xf* subsp. *pauca*	A		
19	POGMY	*Polygala myrtifolia*	*Xf* subsp. *pauca*	A		
20	SOLAM	*Solanum americanum*	*Xf* subsp. *pauca*	A		
21	ARBTH	*Arabidopsis thaliana*	*Xf* subsp. *pauca*		B	
22	CHEAL	*Chenopodium album*	*Xf* subsp. *pauca*			C
23	DIGHO	*Digitaria horizontalis*	*Xf* subsp. *pauca*			C
24	LEPRU	*Lepidium ruderale*	*Xf* subsp. *pauca*			C
25	MABSD	*Malus domestica*	*Xf* subsp. *pauca*			C
26	NIOBE	*Nicotiana benthamiana*	*Xf* subsp. *pauca*			C
27	CC135A	*Periwinkle* (common name)	*Xf* subsp. *pauca*			C
28	PRNAV	*Prunus avium*	*Xf* subsp. *pauca*			C
29	PRNDO	*Prunus domestica*	*Xf* subsp. *pauca*			C
30	PRNDU	*Prunus dulcis*	*Xf* subsp. *pauca*			C
31	PYUCO	*Pyrus communis*	*Xf* subsp. *pauca*			C
32	QUEPE	*Quercus petraea*	*Xf* subsp. *pauca*			C
33	RAPSR	*Raphanus sativus*	*Xf* subsp. *pauca*			C
34	SAXAL	*Salix alba*	*Xf* subsp. *pauca*			C
35	RMSOF	*Salvia rosmarinus*	*Xf* subsp. *pauca*			C
36	VITVI	*Vitis vinifera*	*Xf* subsp. *pauca*			C

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category
1	MORAL	*Morus alba*	*Xf* subsp. *morus*	A
2	NEROL	*Nerium oleander*	*Xf* subsp. *morus*	A
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**
1	CTURO	*Catharanthus roseus*	*Xf* subsp. *sandyi*	A
2	MEDSA	*Medicago sativa*	*Xf* subsp. *sandyi*	A
3	NEROL	*Nerium oleander*	*Xf* subsp. *sandyi*	A
4	PRNDU	*Prunus dulcis*	*Xf* subsp. *sandyi*	A
5	VINMA	*Vinca major*	*Xf* subsp. *sandyi*	A
6	COFAR	*Coffea arabica*	*Xf* subsp. *sandyi*	C
7	MABSD	*Malus domestica*	*Xf* subsp. *sandyi*	C
8	NIOTA	*Nicotiana tabacum*	*Xf* subsp. *sandyi*	C
9	OLVEU	*Olea europaea*	*Xf* subsp. *sandyi*	C
10	PYUCO	*Pyrus communis*	*Xf* subsp. *sandyi*	C
11	VITVI	*Vitis vinifera*	*Xf* subsp. *sandyi*	C
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**
1	NIOBE	*Nicotiana benthamiana*	*Xf* subsp. *tashke*	C

APPENDIX C

Host plant species infected in unspecified conditions

List of host plant species, infected in conditions not specified (i.e. the kind of infection (natural or artificial) was not specified in the reference), of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *multiplex*, subsp. *pauca* and subsp. *sandyi* according to categories A, B, C, D, E (as reported in Section 2.4.2):

A. Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

B. The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

C. Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

D. Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

E. All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation).

n.	Plant EPPO code	Plant species	Pest	Category
1	AMCAR	*Ampelopsis arborea*	*Xf* subsp. unknown	A
2	CTURO	*Catharanthus roseus*	*Xf* subsp. unknown	A
3	CTUSS	*Catharanthus* sp.	*Xf* subsp. unknown	A
4	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. unknown	A
5	CIDJA	*Citrus* × *limonia* var. *jambhiri*	*Xf* subsp. unknown	A
6	COFAR	*Coffea arabica*	*Xf* subsp. unknown	A
7	HIBSH	*Hibiscus schizopetalus*	*Xf* subsp. unknown	A
8	MORNI	*Morus nigra*	*Xf* subsp. unknown	A
9	NEROL	*Nerium oleander*	*Xf* subsp. unknown	A
10	PRNPS	*Prunus persica*	*Xf* subsp. unknown	A
11	PRNSS	*Prunus* sp.	*Xf* subsp. unknown	A
12	SAMCN	*Sambucus canadensis*	*Xf* subsp. unknown	A
13	VITMU	*Vitis munsoniana*	*Xf* subsp. unknown	A
14	VITRF	*Vitis rotundifolia*	*Xf* subsp. unknown	A
15	VITSS	*Vitis* sp.	*Xf* subsp. unknown	A
16	VITVI	*Vitis vinifera*	*Xf* subsp. unknown	A
17	AMBSS	*Ambrosia* sp.	*Xf* subsp. unknown	B
18	CC135A	*Periwinkle* (common name)	*Xf* subsp. unknown	B
19	ACRSS	*Acer* sp.	*Xf* subsp. unknown	C
20	CYAIL	*Carya illinoinensis*	*Xf* subsp. unknown	C
21	CIDSS	*Citrus* sp.	*Xf* subsp. unknown	C
22	TLNMO	*Genista monspessulana*	*Xf* subsp. unknown	C
23	PRNDU	*Prunus dulcis*	*Xf* subsp. unknown	C
24	PRNSC	*Prunus salicina*	*Xf* subsp. unknown	C
25	PYUSS	*Pyrus* sp.	*Xf* subsp. unknown	C
26	VACDA	*Vaccinium darrowii*	*Xf* subsp. unknown	C
27	VACSS	*Vaccinium* sp.	*Xf* subsp. unknown	C
28	PRNAN	*Prunus angustifolia*	*Xf* subsp. unknown	D
29	VITLA	*Vitis labrusca*	*Xf* subsp. unknown	D
30	MORSS	*Morus* sp.	*Xf* subsp. unknown	E
31	NIOTA	*Nicotiana tabacum*	*Xf* subsp. unknown	E

(Continued)

n.	Plant EPPO code	Plant species	Pest	Category	
1	AMBEL	*Ambrosia artemisiifolia*	*Xf* subsp. *fastidiosa*	A	
2	LUPSS	*Lupinus* sp.	*Xf* subsp. *fastidiosa*	A	
3	PRNDU	*Prunus dulcis*	*Xf* subsp. *fastidiosa*	A	
4	SAMSS	*Sambucus* sp.	*Xf* subsp. *fastidiosa*	A	
5	VITRF	*Vitis rotundifolia*	*Xf* subsp. *fastidiosa*	A	
6	VITSS	*Vitis* sp.	*Xf* subsp. *fastidiosa*	A	
7	VITVI	*Vitis vinifera*	*Xf* subsp. *fastidiosa*	A	
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	AMBTR	*Ambrosia trifida*	*Xf* subsp. *multiplex*	A	
2	MORSS	*Morus* sp.	*Xf* subsp. *multiplex*	A	
3	PLTSS	*Platanus* sp.	*Xf* subsp. *multiplex*	A	
4	PRNCF	*Prunus cerasifera*	*Xf* subsp. *multiplex*	A	
5	PRNDO	*Prunus domestica*	*Xf* subsp. *multiplex*	A	
6	PRNDU	*Prunus dulcis*	*Xf* subsp. *multiplex*	A	
7	PRNSC	*Prunus salicina*	*Xf* subsp. *multiplex*	A	
8	QUESS	*Quercus* sp.	*Xf* subsp. *multiplex*	A	
9	RUBFR	*Rubus fruticosus*	*Xf* subsp. *multiplex*	A	
10	RUBSS	*Rubus* sp.	*Xf* subsp. *multiplex*	A	
11	VACCO	*Vaccinium corymbosum*	*Xf* subsp. *multiplex*	A	
12	CC225A	*Vaccinium corymbosum* × *V. angustifolium hybrid*	*Xf* subsp. *multiplex*	A	
13	VINSS	*Vinca* sp.	*Xf* subsp. *multiplex*	A	
14	LIQST	*Liquidambar styraciflua*	*Xf* subsp. *multiplex*		C
15	QUELA	*Quercus laevis*	*Xf* subsp. *multiplex*		C
16	QUERU	*Quercus rubra*	*Xf* subsp. *multiplex*		C
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	CIDSS	*Citrus* sp.	*Xf* subsp. *pauca*	A	
2	CIDSI	*Citrus* × *aurantium* var. *sinensis*	*Xf* subsp. *pauca*	A	
3	COFSS	*Coffea* sp.	*Xf* subsp. *pauca*	A	
4	HIBFR	*Hibiscus fragilis*	*Xf* subsp. *pauca*	A	
5	HIBSS	*Hibiscus* sp.	*Xf* subsp. *pauca*	A	
6	NEROL	*Nerium oleander*	*Xf* subsp. *pauca*	A	
7	PRNDO	*Prunus domestica*	*Xf* subsp. *pauca*	A	
8	PRNSS	*Prunus* sp.	*Xf* subsp. *pauca*	A	
n.	**Plant EPPO code**	**Plant species**	**Pest**	**Category**	
1	COFAR	*Coffea arabica*	*Xf* subsp. *sandyi*	A	
2	NEROL	*Nerium oleander*	*Xf* subsp. *sandyi*		C

APPENDIX D

Xylella fastidiosa Multilocus sequence types

Number of records for each plant species natural, artificial and infected in not specified conditions by different multilocus sequence types (STs). The records for natural infection are divided per country. In general, the subspecies and the STs are reported as in the publication. If the subspecies and/or the STs are inferred from another publication or obtained from personal communication of the author of the publication, a note is added in the genotyping comment column of the excel file available in Zenodo in the EFSA Knowledge Junction community (https://doi.org/10.5281/zenodo.1339343). Abbreviations: AR (Argentina), BR (Brazil), CR (Costa Rica), EC (Ecuador), FR (France), HN (Honduras), IL (Israel), IT (Italy), MX (Mexico), PT (Portugal), ES (Spain), US (United States of America).

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Xylella fastidiosa* subsp. *fastidiosa			22				2	5	21	16	82	156		304	321	9	634
ST1							2	5	18	11	82	108		226	315	2	543
Acacia dealbata										1				1			1
Acer sp.												1		1			1
Amaranthus blitoides															1		1
Ambrosia acanthicarpa															2		2
Calicotome spinosa											4			4			4
Catharanthus roseus															2		2
Cercis occidentalis												1		1			1
Chenopodium quinoa															2		2
Cistus monspeliensis											2			2			2
Cistus sp.										1				1			1
Citrus × *aurantium* var. *sinensis*												1		1			1
Conium maculatum															2		2
Convolvulus arvensis															1		1
Cyperus esculentus															1		1
Cytisus sp.										6				6			6
Cytisus striatus										1				1			1
Datura wrightii															1		1
Echinochloa crus-galli															1		1
Erigeron canadensis															1		1
Eriochloa gracilis															1		1
Erodium moschatum															2		2
Eucalyptus camaldulensis															2		2

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Eucalyptus globulus															1		1
Ficus carica											1			1			1
Genista tricuspidata											3			3			3
Genista tridentata										1				1			1
Helianthus annuus															3		3
Ipomoea purpurea															2		2
Juglans regia											4			4			4
Lactuca serriola															3		3
Malva parviflora															2		2
Medicago sativa												3		3	11		14
Metrosideros sp.												1		1			1
Nicotiana benthamiana															1		1
Nicotiana glauca															2		2
Nicotiana tabacum															1		1
Olea europaea															1		1
Pluchea odorata												1		1			1
Polygala myrtifolia								1			3			4	1		5
Portulaca oleracea															1		1
Prunus avium								1			11	2		14			14
Prunus domestica															1		1
Prunus dulcis							2	2			19	23		46	50	1	97
Quercus ilex										1				1			1
Rhamnus alaternus											8			8			8
Rubus ursinus															2		2
Rumex crispus															1		1
Ruta chalepensis											3			3			3
Salix alba															1		1
Sambucus canadensis												2		2			2
Sambucus sp.												1		1			1
Simmondsia chinensis															2		2
Solanum lycopersicum															1		1

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Solanum melongena															1		1
Sonchus oleraceus															1		1
Sorghum halepense															1		1
Spartium junceum												1		1			1
Teucrium capitatum											3			3			3
Vaccinium corymbosum												2		2	2		4
Vaccinium sp.															5		5
Vaccinium virgatum												1		1			1
Vicia faba															1		1
Vicia sativa															1		1
Vitis aestivalis												2		2			2
Vitis girdiana												1		1			1
Vitis sp.									2			31		33		1	34
Vitis vinifera								1	16		21	34		72	185		257
Vitis vinifera hybrid															9		9
Xanthium strumarium															3		3
ST17			**1**											**1**			**1**
Coffea arabica			1											1			1
ST18			**1**											**1**			**1**
Vitis sp.			1											1			1
ST19			**1**											**1**			**1**
Coffea arabica			1											1			1
ST2										**5**		**42**		**47**	**5**	**7**	**59**
Ambrosia artemisiifolia												2		2		1	3
Citrus × *aurantium* var. *paradisi*										1				1			1
Citrus × *limon*										1				1			1
Coffea sp.												1		1			1
Elaeagnus angustifolia										1				1			1
Myrtus communis										1				1			1
Polygala myrtifolia															1		1
Prunus domestica															1		1

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Quercus petraea															1		1
Salix alba															1		1
Ulex europaeus										1				1			1
Vitis hybrids												2		2			2
Vitis rotundifolia												6		6		1	7
Vitis sp.												5		5			5
Vitis vinifera												26		26	1	5	32
ST20			**1**											**1**			**1**
Coffea arabica			1											1			1
ST21			**1**											**1**			**1**
Coffea arabica			1											1			1
ST3												**1**		**1**			**1**
Lupinus aridorum												1		1			1
ST33			**1**											**1**			**1**
Coffea arabica			1											1			1
ST4												**5**		**5**	**1**		**6**
Medicago sativa															1		1
Vitis sp.												4		4			4
Vitis vinifera												1		1			1
ST47			**2**											**2**			**2**
Coffea arabica			1											1			1
Vitis sp.			1											1			1
ST52			**1**											**1**			**1**
Coffea arabica			1											1			1
ST54			**1**											**1**			**1**
Coffea arabica			1											1			1
ST55			**1**											**1**			**1**
Coffea arabica			1											1			1
ST56			**1**											**1**			**1**
Coffea arabica			1											1			1
ST57			**1**											**1**			**1**

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Coffea arabica			1											1			1
ST59			**1**											**1**			**1**
Vitis vinifera			1											1			1
ST60			**1**											**1**			**1**
Vitis vinifera			1											1			1
ST61			**3**											**3**			**3**
Citrus × *aurantium* var. *sinensis*			1											1			1
Coffea arabica			2											2			2
ST72			**1**											**1**			**1**
Coffea arabica			1											1			1
ST75									**3**					**3**			**3**
Coffea canephora									3					3			3
ST76			**2**											**2**			**2**
Coffea arabica			2											2			2
ST77			**1**											**1**			**1**
Coffea arabica			1											1			1
Xylella fastidiosa* subsp. *fastidiosa/sandyi			**3**						**1**					**4**			**4**
ST72			**2**											**2**			**2**
Coffea arabica			2											2			2
ST75									**1**					**1**			**1**
Coffea canephora									1					1			1
ST76			**1**											**1**			**1**
Coffea arabica			1											1			1
Xylella fastidiosa* subsp. *morus												**25**		**25**			**25**
ST29												**10**		**10**			**10**
Morus alba												4		4			4
Morus rubra												4		4			4
Morus sp.												2		2			2
ST30												**5**		**5**			**5**
Morus alba												4		4			4
Nandina domestica												1		1			1

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
ST31												**6**		**6**			**6**
Morus sp.												6		6			6
ST62												**4**		**4**			**4**
Morus alba												4		4			4
Xylella fastidiosa* subsp. *multiplex		**6**			**163**			**130**		**103**	**284**	**246**		**932**	**128**	**16**	**1076**
ST10												**11**		**11**	**4**		**15**
Polygala myrtifolia															1		1
Prunus domestica												3		3	1		4
Prunus persica												3		3			3
Prunus sp.												5		5			5
Quercus petraea															1		1
Salix alba															1		1
ST15												**3**		**3**			**3**
Prunus cerasifera												3		3			3
ST22												**3**		**3**		**1**	**4**
Ambrosia psilostachya												1		1			1
Ambrosia trifida												2		2		1	3
ST23												**12**		**12**			**12**
Acer rubrum												1		1			1
Ambrosia trifida												2		2			2
Helianthus sp.												3		3			3
Iva annua												2		2			2
Quercus rubra												1		1			1
Ratibida columnifera												2		2			2
Solidago virgaurea												1		1			1
ST24												**5**		**5**	**3**		**8**
Cercis occidentalis												1		1			1
Liquidambar styraciflua												3		3	2		5
Prunus dulcis															1		1
Ulmus crassifolia												1		1			1
ST25												**4**		**4**			**4**

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Encelia farinosa												4		4			4
ST26		**3**						**2**				**12**		**17**	**8**		**25**
Alnus rhombifolia												1		1			1
Bidens pilosa															1		1
Lepidium ruderale															1		1
Prunus cerasifera												2		2	1		3
Prunus domestica		3										1		4			4
Prunus dulcis								2						2	1		3
Prunus persica															1		1
Prunus sp.												8		8			8
Raphanus sativus															1		1
Rubus fruticosus															1		1
Solanum americanum															1		1
ST27												**7**		**7**		**2**	**9**
Ginkgo biloba												1		1			1
Lagerstroemia sp.												1		1			1
Prunus cerasifera																1	1
Prunus dulcis												2		2		1	3
Prunus sp.												3		3			3
ST28												**4**		**4**		**1**	**5**
Ambrosia trifida												2		2		1	3
Helianthus sp.												1		1			1
Iva annua												1		1			1
ST32												**2**		**2**		**1**	**3**
Rubus fruticosus																1	1
Rubus sp.												2		2			2
ST34												**1**		**1**			**1**
Prunus cerasifera												1		1			1
ST35												**1**		**1**			**1**
Xanthium strumarium												1		1			1
ST36												**1**		**1**	**1**		**2**

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Prunus cerasifera															1		1
Prunus sp.												1		1			1
ST37												**3**		**3**			**3**
Lupinus aridorum												1		1			1
Lupinus villosus												2		2			2
ST38												**1**		**1**			**1**
Platanus occidentalis												1		1			1
ST39												**6**		**6**			**6**
Koelreuteria bipinnata												1		1			1
Liquidambar styraciflua												4		4			4
Prunus sp.												1		1			1
ST40												**4**		**4**		**1**	**5**
Prunus cerasifera												3		3		1	4
Sambucus sp.												1		1			1
ST41												**9**		**9**		**2**	**11**
Prunus domestica																1	1
Prunus salicina												3		3		1	4
Prunus sp.												2		2			2
Ulmus americana												2		2			2
Ulmus sp.												2		2			2
ST42												**20**		**20**		**3**	**23**
Ambrosia trifida												2		2		1	3
Sapindus saponaria												1		1			1
Vaccinium ashei												6		6			6
Vaccinium corymbosum												5		5		1	6
Vaccinium corymbosum × *V. angustifolium* hybrid																1	1
Vaccinium sp.												6		6			6
ST43												**21**		**21**		**2**	**23**
Vaccinium corymbosum												3		3		1	4
Vaccinium corymbosum × *V. angustifolium* hybrid																1	1

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Vaccinium sp.												5		5			5
Vitis sp.												3		3			3
Vitis vinifera												10		10			10
ST44												**2**		**2**			**2**
Quercus palustris												1		1			1
Quercus rubra												1		1			1
ST45												**6**		**6**			**6**
Acer griseum												1		1			1
Ampelopsis cordata												1		1			1
Cercis canadensis												3		3			3
Gleditsia triacanthos												1		1			1
ST46												**3**		**3**			**3**
Celtis occidentalis												1		1			1
Chionanthus sp.												1		1			1
Prunus armeniaca												1		1			1
ST48												**1**		**1**			**1**
Sapindus saponaria												1		1			1
ST49												**1**		**1**			**1**
Prunus sp.												1		1			1
ST50												**2**		**2**			**2**
Fraxinus americana												1		1			1
Fraxinus sp.												1		1			1
ST51												**5**		**5**		**1**	**6**
Periwinkle (common name)												1		1			1
Vinca sp.												4		4		1	5
ST58												**1**		**1**		**1**	**2**
Ambrosia trifida												1		1		1	2
ST6					**39**						**172**	**14**		**225**	**57**	**1**	**283**
Acacia saligna											5			5			5
Acer granatense											1			1			1
Asparagus acutifolius											1			1			1

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Calicotome spinosa											7			7			7
Calicotome villosa					1									1			1
Catharanthus roseus															1		1
Cistus albidus											6			6			6
Cistus monspeliensis					1						2			3			3
Cistus salviifolius											3			3			3
Coronilla valentina					1									1			1
Euryops chrysanthemoides					1									1			1
Genista scorpius											1			1			1
Helichrysum italicum					1						15			16			16
Helichrysum stoechas											7			7			7
Laurus nobilis					1						5			6			6
Lavandula angustifolia					1						2			3			3
Lavandula dentata											5			5			5
Lavandula latifolia											4			4			4
Lavandula sp.					1									1			1
Lavandula stoechas					1									1			1
Lavandula × *heterophylla*					1									1			1
Lavandula × *intermedia*					1						1			2			2
Medicago sativa															4		4
Nicotiana tabacum															5		5
Olea europaea											2			2	31		33
Phagnalon saxatile											5			5			5
Polygala myrtifolia					10						8			18	1		19
Prunus armeniaca											6			6			6
Prunus avium					1									1			1
Prunus cerasifera					1									1	1		2
Prunus cerasus					1									1			1
Prunus domestica											7			7			7
Prunus dulcis											54	14		68	9	1	78
Quercus petraea															1		1

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Rhamnus alaternus											9			9			9
Rosa canina					1									1			1
Rubus ursinus															1		1
Salix alba															1		1
Salvia rosmarinus											8			8			8
Santolina chamaecyparissus											2			2			2
Spartium junceum					13						1			14			14
Spartium sp.					1									1			1
Ulex parviflorus											3			3			3
Viburnum tinus											2			2			2
Vitis vinifera															2		2
ST6 and ST7					**1**									**1**			**1**
Cistus monspeliensis					1									1			1
ST6 and/or ST7					**76**									**76**			**76**
Acacia dealbata					1									1			1
Acer pseudoplatanus					2									2			2
Anthyllis hermanniae					1									1			1
Artemisia arborescens					2									2			2
Asparagus acutifolius					2									2			2
Calicotome villosa					1									1			1
Cercis siliquastrum					1									1			1
Cistus creticus					1									1			1
Cistus monspeliensis					2									2			2
Cistus salviifolius					2									2			2
Coronilla valentina					2									2			2
Cytisus scoparius					1									1			1
Cytisus sp.					2									2			2
Cytisus villosus					1									1			1
Euryops chrysanthemoides					1									1			1
Genista corsica					1									1			1
Genista ephedroides					2									2			2

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Genista × spachiana					2									2			2
Hebe sp.					2									2			2
Helichrysum italicum					3									3			3
Lavandula angustifolia					2									2			2
Lavandula dentata					2									2			2
Lavandula sp.					3									3			3
Lavandula stoechas					2									2			2
Lavandula × heterophylla					2									2			2
Lavandula × intermedia					3									3			3
Medicago sativa					1									1			1
Metrosideros excelsa					2									2			2
Myrtus communis					2									2			2
Pelargonium graveolens					2									2			2
Pelargonium sp.					2									2			2
Phagnalon saxatile					1									1			1
Polygala myrtifolia					7									7			7
Polygala sp.					1									1			1
Prunus cerasifera					2									2			2
Prunus dulcis					1									1			1
Quercus suber					2									2			2
Rosa canina					1									1			1
Salvia rosmarinus					2									2			2
Spartium junceum					3									3			3
Westringia fruticosa					1									1			1
ST63		**1**												**1**			**1**
Prunus domestica		1												1			1
ST67		**2**												**2**	**8**		**10**
Bidens pilosa															1		1
Lepidium ruderale															1		1
Prunus domestica		2												2			2
Prunus salicina															4		4

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Raphanus sativus															1		1
Solanum americanum															1		1
ST7					**37**					**103**	**9**	**30**		**179**	**23**		**202**
Acacia dealbata					1									1			1
Acacia longifolia										2				2			2
Acacia melanoxylon										1				1			1
Adenocarpus lainzii										2				2			2
Artemisia arborescens										2				2			2
Artemisia sp.										2				2			2
Asparagus acutifolius										1				1			1
Athyrium filix-femina										1				1			1
Berberis thunbergii										1				1			1
Calicotome spinosa											1			1			1
Calluna vulgaris										1				1			1
Catharanthus roseus															1		1
Cistus creticus					1									1			1
Cistus inflatus										3				3			3
Cistus monspeliensis					2									2			2
Cistus salviifolius										1				1			1
Convolvulus cneorum					2									2			2
Coprosma repens										3				3			3
Coronilla valentina subsp. *glauca*					2									2			2
Cytisus scoparius										3				3			3
Dimorphotheca ecklonis										1				1			1
Dodonaea viscosa										2				2			2
Echium plantagineum										1				1			1
Elaeagnus × submacrophylla										1				1			1
Erica cinerea										1				1			1
Erigeron canadensis										1				1			1
Erodium moschatum										1				1			1
Euryops chrysanthemoides					1					1				2			2

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Frangula alnus										1				1			1
Gazania rigens										2				2			2
Genista corsica					1									1			1
Genista tridentata										1				1			1
Hebe sp.										3				3			3
Helichrysum italicum					2									2			2
Hibiscus syriacus										1				1			1
Hypericum androsaemum										1				1			1
Hypericum perforatum										1				1			1
Ilex aquifolium										2				2			2
Laurus nobilis										1				1			1
Lavandula angustifolia										2				2			2
Lavandula dentata										6				6			6
Lavandula sp.										1				1			1
Lavandula stoechas										1				1			1
Lonicera periclymenum										1				1			1
Magnolia grandiflora										3				3			3
Magnolia × *soulangeana*										1				1			1
Malva multiflora										1				1			1
Medicago sativa					1					2				3	2		5
Metrosideros excelsa										2				2			2
Metrosideros sp.										1				1			1
Myrtus communis										2				2			2
Nerium oleander										1		1		2	1		3
Nicotiana tabacum															1		1
Olea europaea										1		9		10	4		14
Olea sp.												1		1			1
Pelargonium graveolens										1				1			1
Pelargonium sp.					1									1			1
Plantago lanceolata										1				1			1
Polygala myrtifolia					18						3			21	2		23

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Prunus avium															1		1
Prunus cerasifera															1		1
Prunus domestica															2		2
Prunus dulcis					2						5	12		19	4		23
Prunus laurocerasus										1				1			1
Prunus persica										1				1			1
Prunus sp.												1		1			1
Pteridium aquilinum										1				1			1
Quercus petraea															1		1
Quercus robur										2				2			2
Quercus rubra										1		3		4			4
Quercus suber										3				3			3
Rosa sp.										1				1			1
Rubus fruticosus															1		1
Rubus ulmifolius										2				2			2
Salix alba															1		1
Salvia mellifera												3		3			3
Salvia officinalis										1				1			1
Salvia rosmarinus										2				2			2
Sambucus nigra										1				1			1
Santolina chamaecyparissus										4				4			4
Santolina sp.										1				1			1
Spartium junceum					2									2			2
Strelitzia reginae										1				1			1
Ulex europaeus										2				2			2
Ulex minor										2				2			2
Ulex sp.										2				2			2
Vinca major										2				2			2
Vinca sp.										1				1			1
Vitis vinifera															1		1
Westringia fruticosa					1									1			1

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
ST7 and ST88					**1**									**1**			**1**
Polygala myrtifolia					1									1			1
ST79					**1**									**1**			**1**
Polygala myrtifolia					1									1			1
ST8												**16**		**16**			**16**
Alnus rhombifolia												1		1			1
Carya illinoinensis												2		2			2
Platanus occidentalis												8		8			8
Platanus sp.												2		2			2
Quercus palustris												1		1			1
Quercus sp.												1		1			1
Ulmus americana												1		1			1
ST81											**103**	**2**		**105**	**17**		**122**
Acacia saligna											2			2			2
Acacia sp.											1			1			1
Calicotome spinosa											1			1			1
Cistus albidus											4			4			4
Clematis cirrhosa											3			3			3
Ficus carica											9			9			9
Fraxinus angustifolia											3			3			3
Genista valdes-bermejoi											2			2			2
Helichrysum stoechas											4			4			4
Laurus nobilis											1			1			1
Lavandula angustifolia											3			3			3
Lavandula dentata											3			3			3
Nerium oleander											1			1			1
Olea europaea											11	2		13	15		28
Olea europaea subsp. *sylvestris*											3			3			3
Phagnalon saxatile											1			1			1
Phillyrea angustifolia											3			3			3
Phlomis italica											2			2			2

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Polygala myrtifolia											4			4			4
Prunus domestica											3			3			3
Prunus dulcis											16			16	1		17
Rhamnus alaternus											5			5			5
Salix alba															1		1
Salvia officinalis											3			3			3
Salvia rosmarinus											4			4			4
Santolina chamaecyparissus											5			5			5
Santolina magonica											2			2			2
Spartium junceum											2			2			2
Vitex agnus-castus											2			2			2
ST82												**2**		**2**			**2**
Vaccinium ashei												2		2			2
ST83												**2**		**2**			**2**
Vaccinium ashei												2		2			2
ST87								**128**						**128**	**3**		**131**
Acacia dealbata								4						4			4
Asparagus acutifolius								3						3			3
Calicotome spinosa								4						4			4
Calicotome villosa								3						3			3
Cercis siliquastrum								4						4			4
Cistus monspeliensis								4						4			4
Cistus salviifolius								4						4			4
Cistus sp.								6						6			6
Clematis vitalba								2						2			2
Cytisus scoparius								5						5			5
Elaeagnus angustifolia								4						4			4
Ficus carica								4						4			4
Helichrysum italicum								3						3			3
Helichrysum sp.								4						4			4
Laurus nobilis								3						3			3

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Lavandula angustifolia								4						4			4
Lavandula dentata								2						2			2
Lavandula sp.								2						2			2
Lonicera implexa								3						3			3
Myrtus communis								3						3			3
Olea europaea															1		1
Phagnalon saxatile								3						3			3
Polygala myrtifolia								10						10			10
Prunus dulcis								12						12			12
Quercus ilex								1						1			1
Rhamnus alaternus								10						10	2		12
Rosa canina								2						2			2
Salvia rosmarinus								6						6			6
Scabiosa atropurpurea var. *maritima*								2						2			2
Spartium junceum								11						11			11
ST88					**6**									**6**			**6**
Coronilla valentina subsp. *glauca*					1									1			1
Dimorphotheca ecklonis					1									1			1
Euryops chrysanthemoides					1									1			1
Hebe sp.					1									1			1
Lavandula × *intermedia*					1									1			1
Polygala myrtifolia					1									1			1
ST89					**2**									**2**			**2**
Myoporum sp.					1									1			1
Viburnum tinus					1									1			1
ST9												**29**		**29**	**4**		**33**
Polygala myrtifolia															1		1
Quercus cerris												1		1			1
Quercus coccinea												2		2			2
Quercus falcata												1		1	1		2
Quercus laevis												2		2			2

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Quercus nigra												1		1			1
Quercus palustris												11		11			11
Quercus petraea															1		1
Quercus phellos												1		1			1
Quercus robur												1		1			1
Quercus rubra												5		5			5
Quercus shumardii												1		1			1
Quercus sp.												3		3			3
Rubus fruticosus															1		1
Xylella fastidiosa* subsp. *pauca	**8**	**139**	**10**	**6**	**4**			**481**			**39**		**4**	**690**	**362**	**23**	**1076**
ST11		**52**												**52**	**14**	**3**	**69**
Catharanthus roseus															2		2
Citrus sp.		29												29			29
Citrus × *aurantium* var. *sinensis*		22												22	4	3	29
Coffea arabica															4		4
Coffea sp.		1												1			1
Nicotiana tabacum															4		4
ST12		**3**												**3**		**3**	**6**
Citrus sp.		1												1		1	2
Citrus × *aurantium* var. *sinensis*		2												2		2	4
ST13		**12**												**12**	**89**	**3**	**104**
Arabidopsis thaliana															1		1
Bidens pilosa															3		3
Catharanthus roseus															14		14
Citrus reticulata															3		3
Citrus sp.		6												6	21		27
Citrus × *aurantium* var. *sinensis*		6												6	23	3	32
Medicago sativa															3		3
Nicotiana clevelandii															1		1
Nicotiana tabacum															12		12
Ocimum basilicum															3		3

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Periwinkle (common name)															1		1
Solanum americanum															4		4
ST14		**8**												**8**		**4**	**12**
Coffea arabica		1												1			1
Coffea sp.		6												6		2	8
Prunus domestica																1	1
Prunus sp.		1												1		1	2
ST16		**52**												**52**	**15**	**1**	**68**
Citrus × *aurantium* var. *sinensis*															1		1
Coffea arabica		2												2	7		9
Coffea sp.		17												17		1	18
Nicotiana tabacum															6		6
Olea europaea		33												33	1		34
ST53			**8**		**4**			**481**			**1**		**3**	**497**	**217**	**6**	**720**
Acacia saligna								3						3			3
Amaranthus retroflexus								3						3			3
Asparagus acutifolius								3						3			3
Catharanthus roseus								2						2	12		14
Chenopodium album								5						5	1		6
Cistus creticus								1						1			1
Coffea arabica			3										2	5	1		6
Coffea sp.													1	1	1	2	4
Dimorphotheca fruticosa								1						1			1
Dodonaea viscosa								2						2			2
Eremophila maculata								1						1			1
Erigeron bonariensis								3						3			3
Erigeron sp.								6						6			6
Erigeron sumatrensis								1						1			1
Euphorbia chamaesyce								2						2			2
Euphorbia terracina								1						1			1
Grevillea juniperina								1						1			1

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Hebe sp.								1						1			1
Heliotropium europaeum								3						3			3
Jasminum azoricum															2		2
Laurus nobilis								2						2			2
Lavandula angustifolia								3						3			3
Lavandula sp.								1						1			1
Lavandula stoechas								2						2			2
Medicago sativa															1		1
Myoporum insulare								1						1			1
Myrtus communis								3						3			3
Nerium oleander			5					18						23	8	4	35
Nicotiana tabacum															7		7
Olea europaea					1			342			1			344	158		502
Pelargonium sp.								1						1			1
Pelargonium × *fragrans*								1						1			1
Periwinkle (common name)								1						1			1
Phillyrea latifolia								2						2			2
Pistacia vera								1						1			1
Polygala myrtifolia					1			24						25	9		34
Prunus avium								9						9	4		13
Prunus domestica															2		2
Prunus dulcis								13						13	4		17
Prunus persica					1									1			1
Quercus ilex					1									1			1
Quercus petraea															1		1
Rhamnus alaternus								4						4			4
Salix alba															1		1
Salvia rosmarinus								6						6			6
Spartium junceum								2						2			2
Vinca minor								1						1			1
Vitis vinifera															5		5

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Westringia fruticosa								4						4			4
Westringia glabra								1						1			1
ST64		**1**												**1**			**1**
Citrus × *aurantium* var. *sinensis*		1												1			1
ST65		**1**												**1**	**2**		**3**
Catharanthus roseus															2		2
Citrus × *aurantium* var. *sinensis*		1												1			1
ST66		**1**												**1**			**1**
Coffea arabica		1												1			1
ST68		**1**												**1**			**1**
Coffea arabica		1												1			1
ST69	**6**													**6**		**1**	**7**
Citrus × *aurantium* var. *sinensis*	4													4		1	5
Olea europaea	2													2			2
ST70		**2**												**2**	**2**	**2**	**6**
Catharanthus roseus															2		2
Hibiscus fragilis																1	1
Hibiscus rosa-sinensis		1												1			1
Hibiscus sp.		1												1		1	2
ST71		**1**												**1**	**4**		**5**
Bidens pilosa															1		1
Lepidium ruderale															1		1
Prunus domestica		1												1			1
Raphanus sativus															1		1
Solanum americanum															1		1
ST73			**1**										**1**	**2**	**4**		**6**
Catharanthus roseus															1		1
Coffea arabica			1										1	2			2
Nerium oleander															1		1
Nicotiana tabacum															1		1
Polygala myrtifolia															1		1

(Continues)

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
ST73 and ST53			**1**											**1**			**1**
Coffea arabica			1											1			1
ST74				**6**										**6**			**6**
Coffea arabica				6										6			6
ST78	**2**													**2**			**2**
Olea europaea	1													1			1
Prunus dulcis	1													1			1
ST80											**38**			**38**	**15**		**53**
Acacia saligna											2			2			2
Acacia sp.											1			1			1
Cistus albidus											4			4			4
Elaeagnus angustifolia											1			1			1
Genista hirsuta											2			2			2
Lavandula angustifolia											2			2			2
Lavandula dentata											3			3			3
Olea europaea											5			5	15		20
Olea europaea subsp. *sylvestris*											2			2			2
Polygala myrtifolia											3			3			3
Prunus dulcis											6			6			6
Salvia officinalis											1			1			1
Salvia rosmarinus											3			3			3
Thymus vulgaris											1			1			1
Ulex parviflorus											2			2			2
ST84		**3**												**3**			**3**
Olea europaea		3												3			3
ST85		**1**												**1**			**1**
Olea europaea		1												1			1
ST86		**1**												**1**			**1**
Olea europaea		1												1			1
Xylella fastidiosa* subsp. *sandyi			**4**		**1**	**1**						**25**	**1**	**32**	**9**	**1**	**42**
ST5												**25**		**25**	**4**		**29**

(Continued)

	Natural infection														Artificial infection	Not specified infection	
***X. fastidiosa* subspecies/sequence type**	**AR**	**BR**	**CR**	**EC**	**FR**	**HN**	**IL**	**IT**	**MX**	**PT**	**ES**	**US**	**Unknown**	**Total**	**Total**	**Total**	**Grand Total**
Hemerocallis sp.												1		1			1
Jacaranda mimosifolia												1		1			1
Magnolia grandiflora												1		1			1
Nerium oleander												22		22	1		23
Prunus dulcis															1		1
Vinca major															2		2
ST72			**2**			**1**							**1**	**4**	**5**	**1**	**10**
Coffea arabica			2										1	3	1	1	5
Coffea sp.						1								1			1
Nerium oleander															1		1
Olea europaea															3		3
ST76			**2**		**1**									**3**			**3**
Coffea arabica			1											1			1
Coffea sp.			1											1			1
Polygala myrtifolia					1									1			1
Grand Total	**8**	**145**	**39**	**6**	**168**	**1**	**2**	**616**	**22**	**119**	**405**	**452**	**5**	**1988**	**820**	**49**	**2857**

APPENDIX E

References included in this update

List of the 27 references included in this 11th update of the *Xylella* spp. host plant database. Informative data listed in Table 5 were extracted from those references and added to the database.

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20. Europhyt notification n. 124 (Update 35)
21. Europhyt notification n. 228 (Update 28)
22. Europhyt notification n. 246 (Update 21)
23. Europhyt notification n. 753 (Update 24)
24. Europhyt notification n. 2099 (Update 1)
25. Europhyt notification n. 2139 (Update 3)
26. Europhyt notification n. 2529 (Update 2-5)
27. Europhyt notification n. 2549 (Update 00-01)

ANNEX A

Links to data and interactive reports

Data are available as interactive reports on the Microstrategy platform at the following link: https://www.efsa.europa.eu/en/microstrategy/xylella.

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 11** (https://doi.org/10.5281/zenodo.1339343).