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► **B** **COMMISSION IMPLEMENTING REGULATION (EU) 2020/1201**
of 14 August 2020
as regards measures to prevent the introduction into and the spread within the Union of *Xylella fastidiosa* (Wells *et al.*)
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COMMISSION IMPLEMENTING REGULATION (EU) 2020/1201
of 14 August 2020
as regards measures to prevent the introduction into and the spread
within the Union of *Xylella fastidiosa* (Wells *et al.*)

CHAPTER I
DEFINITIONS

Article 1

Definitions

For the purposes of this Regulation, the following definitions shall apply:

- (a) ‘specified pest’ means *Xylella fastidiosa* (Wells *et al.*) and any of its subspecies;
- (b) ‘host plants’ means all plants for planting, other than seeds, belonging to the genera or species listed in Annex I;
- (c) ‘specified plants’ means host plants for planting, other than seeds, belonging to the genera or species listed in Annex II and known to be susceptible to the specific subspecies of the specified pest.

CHAPTER II
ANNUAL SURVEYS FOR THE PRESENCE OF THE SPECIFIED PEST
AND CONTINGENCY PLANS

Article 2

Surveys of the specified pest in the territories of the Member States

1. Member States shall conduct annual surveys of the host plants for the detection of the specified pest in their territory.
2. Those surveys shall be carried out by the competent authorities, or under the official supervision of the competent authorities.
3. Those surveys shall be performed on the basis of the level of risk. They shall take place in open air, including cropping fields, orchards, vineyards, as well as nurseries, garden centres and/or trading centres, natural areas and other relevant locations.
4. Those surveys shall consist in the collection of samples and testing of plants for planting. Taking into account the European Food Safety Authority’s (Authority) Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme used shall be able to identify within the Member State concerned, with at least 80 % of confidence, a level of presence of infected plants of 1 %.

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5. Those surveys shall be carried out at appropriate times of the year with regard to the possibility to detect the specified pest, taking into account the biology of that pest and its vectors, the presence and biology of host plants, and the scientific and technical information referred to in the Authority's Pest Survey Card on *Xylella fastidiosa*.

6. The presence of the specified pest shall be monitored by one of the molecular tests listed in Annex IV. In case of positive results detected in areas other than the demarcated areas, the presence of the specified pest shall be confirmed by one more positive molecular test listed in that Annex, targeting different parts of the genome. Those tests shall be performed on the same plant sample or, if appropriate for the molecular confirmatory test used, on the same plant extract.

7. The identification of the subspecies of the specified pest shall be carried out on each plant species that is found infected by the specified pest in the demarcated area concerned. That identification shall be carried out by using the molecular tests listed in Section B of Annex IV.

8. Member States shall report the results of the surveys referred to in paragraph 1 in accordance with Article 22(3) of Regulation (EU) 2016/2031.

*Article 3***Contingency plans**

1. Each Member State shall establish a contingency plan. That contingency plan shall set out the actions to be taken in its territory concerning:

- (a) the eradication of the specified pest, as set out in Articles 7 to 11;
- (b) the movements of specified plants within the Union, as set out in Articles 19 to 26;
- (c) the official checks to be carried out on movements of specified plants within the Union and of host plants into the Union, as set out in Articles 32 and 33.

Each Member State shall update its contingency plan, as appropriate, by 31 December of each year. Contingency plans established under Implementing Decision (EU) 2015/789 shall be updated by 31 December 2020.

2. In addition to the elements referred to in Article 25(2) of Regulation (EU) 2016/2031, the contingency plan shall include all of the following elements:

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- (a) the minimum resources to be made available and the procedures for making those additional resources available in case of a confirmed or suspected presence of the specified pest;
- (b) rules detailing the procedures for identifying the owners of the plants to be removed, for notifying the order of removal and for accessing private properties.

CHAPTER III

DEMARCATED AREAS*Article 4***Establishment of demarcated areas**

1. Where the presence of the specified pest is officially confirmed, the Member State concerned shall without delay establish a demarcated area.

Where only the presence of one or more particular subspecies of the specified pest is confirmed, the Member State concerned may demarcate an area with regard to those subspecies only.

Where the confirmation of the presence of a subspecies is pending, the Member State concerned shall demarcate that area with regard to the specified pest and all of its possible subspecies.

2. The demarcated area shall consist of an infected zone and a buffer zone.

The infected zone shall have a radius of at least 50 m around the plant found infected by the specified pest.

The buffer zone shall be of the following width:

- (a) at least 2,5 km in the case of an infected zone established for the purpose of taking the eradication measures referred to in Articles 7 to 11;
- (b) at least 5 km in the case of an infected zone established for the purpose of taking the containment measures referred to in Articles 12 to 17.

3. The Commission shall update and publish a list of the demarcated areas established by Member States, as notified pursuant to Article 18(6) of Regulation (EU) 2016/2031.



Article 5

Derogations for the establishment of demarcated areas

1. By way of derogation from Article 4, the buffer zone surrounding the infected zone established for the purpose of eradication may be reduced to a width of no less than 1 km, where there is a high degree of confidence that the initial presence of the specified pest did not result in its spread and where all of the following conditions have been fulfilled:

- (a) all specified plants located in the infected zone, irrespective of their health status, have been immediately sampled and removed;
- (b) no other plants have been found infected by the specified pest in the infected zone since the eradication measures have been taken, on the basis of official tests carried out at least once during the course of the year, taking into account the Authority's Pest Survey Card on *Xylella fastidiosa*;
- (c) a survey has been carried out at least once during the first year following the identification of the specified pest in a zone with a width of at least 2,5 km surrounding the infected zone, which shows that the specified pest has not been found present in that zone. The Member State concerned shall sample and test the host plants located in that zone. For that purpose, and taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 90 % confidence a level of presence of infected plants of 1 %, taking into account that the first 400 m surrounding the infected plants has a higher risk compared to the other part of that area;
- (d) no vectors carrying the specified pest have been detected in the infected zone and its immediate vicinity since the eradication measures have been taken, on the basis of tests carried out twice during the flight season of the vector, and in accordance with International Standards for Phytosanitary Measures. Those tests shall lead to the conclusion that the natural spread of the specified pest is excluded.

2. When reducing the width of the buffer zone pursuant to paragraph 1, the Member State concerned shall immediately notify the Commission and the other Member States of the justification for that reduction.

3. By way of derogation from Article 4, the Member State concerned may decide not to establish a demarcated area immediately, where all of the following conditions are fulfilled:

- (a) there is evidence that the specified pest was recently introduced into the area with the plants on which it was found, or that the specified pest has been found in a site with physical protection from the vectors of that pest;

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- (b) the results of inspection activities indicate that those plants were infected before their introduction into the area concerned;
 - (c) no vectors carrying the specified pest have been detected, on the basis of tests carried out in the vicinity of those plants.
4. In the case referred to in paragraph 3, the Member State concerned shall:
- (a) carry out, in the area where the presence of the specified pest was first confirmed, an annual survey for at least two years to determine whether any other plants have been infected and whether any further measures should be taken;
 - (b) notify to the Commission and the other Member States the justification for not establishing a demarcated area, and the outcome of the survey referred to in point (a) as soon as it becomes available.

*Article 6***Lifting of the demarcated areas**

1. Where, based on the surveys referred to in Article 10, the specified pest has not been detected in a demarcated area for a period of four years, this demarcation may be lifted. In such cases, the Member State concerned shall notify the Commission and other Member States.
2. By way of derogation from paragraph 1, in the case where the Member State concerned has reduced the buffer zone to a width of no less than 1 km in accordance with Article 5(1), the Member State may lift the demarcated area after 12 months since its initial establishment, where both of the following conditions are fulfilled:
- (a) as a result of the measures taken pursuant to Article 5(1), it is concluded with a high degree of confidence that the initial presence of the specified pest was an isolated case and no further spread occurred in the respective demarcated area;
 - (b) as practically close to the time of lifting, official tests have been carried out within the demarcated area, taking into account the Authority's Pest Survey Card on *Xylella fastidiosa*. For that purpose, and taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 95 % confidence a level of presence of infected plants of 1 %.

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3. Where a demarcated area is lifted pursuant to paragraph 2, the specified plants located in the previously established demarcated area shall be subject to intensive surveys during the following two years. For that purpose, and taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 80 % confidence a level of presence of infected plants of 1 %.
4. When lifting the demarcated area after 12 months since its initial identification, the Member State concerned shall immediately notify the Commission and the other Member States of the justification for that lifting.

CHAPTER IV

ERADICATION MEASURES

*Article 7***Removal of plants**

1. The Member State concerned shall immediately remove from the infected zone:
 - (a) plants known to be infected by the specified pest;
 - (b) plants showing symptoms indicating possible infection by that pest or suspected to be infected by that pest;
 - (c) plants which belong to the same species as that of the infected plant, regardless of their health status;
 - (d) plants of other species than that of the infected plant, which have been found infected in other parts of the demarcated area;
 - (e) specified plants, other than the ones referred to in points (c) and (d), which have not been immediately subjected to sampling and molecular testing and have not been found free from the specified pest.
2. When removing the plants referred to in paragraph 1, the Member State concerned shall take all necessary precautions into account, and shall organise the removal on the basis of the level of risk posed by those plants
3. By way of derogation from points (b), (c) and (d) of paragraph 1, Member States may decide that individual specified plants officially designated as plants with historic value do not need to be removed, provided that all of the following conditions have been fulfilled:
 - (a) the specified plants concerned are subject to annual inspection, sampling and testing by one of the molecular tests listed in Annex IV and it is confirmed that they are not infected by the specified pest;

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- (b) the individual specified plants or the area concerned are subject to appropriate phytosanitary treatments against the vector population of the specified pest, in all its stages. Those treatments may include chemical, biological or mechanical methods, taking into account the local conditions.

*Article 8***Measures against the vectors of the specified pest**

1. The Member State concerned shall apply appropriate phytosanitary treatments, in the infected zone, against the vector population of the specified pest, in all its stages. It shall apply those treatments prior to and during the removal of the plants referred to in Article 7(1). Those treatments shall include efficient chemical, biological or mechanical treatments against the vectors, taking into account the local conditions.

2. The Member State concerned shall apply agricultural practices for the control of the vector population of the specified pest, in all its stages, in the infected zone and in the buffer zone. It shall apply those practices at the most appropriate time of the year, regardless of the removal of the plants concerned. Those practices shall include efficient chemical, biological or mechanical treatments against the vectors, as appropriate, taking into account the local conditions.

*Article 9***Destruction of plants**

1. The Member State concerned shall destroy the plants and parts of plants referred to in Article 7(1), in a manner ensuring that the specified pest is not spread, *in situ* or in a nearby location designated for this purpose within the infected zone or, provided that those plants or parts of plants are covered by net against the vectors, at the shortest distance from that location.

2. The Member State concerned may decide, on the basis of the risk level, to limit the destruction to the branches and foliage only and subject the related wood to phytosanitary treatment as referred to in Article 8(1). The root system of those plants shall be either removed or devitalised, with an appropriate phytosanitary treatment to avoid resprouting.

*Article 10***Annual surveillance of the demarcated area**

In the entire demarcated area, the Member State concerned shall monitor, at the most appropriate times, the presence of the specified pest by annual surveys, in accordance with Article 2(5) and (6), and taking into account the information referred to in the Authority's Pest Survey Card on *Xylella fastidiosa*.

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In the infected zones, the Member State concerned shall sample and test the host plants, including the specified plants which have not been removed pursuant to Article 7(1). For that purpose, and taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 90 % confidence a level of presence of infected plants of 0,5 %.

In buffer zones, the Member State concerned shall sample and test the host plants, as well as other plants showing symptoms indicating possible infection or suspected to be infected by that pest. For that purpose, and taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 90 % confidence a level of presence of infected plants of 1 %, taking into account that the first 400 m surrounding the infected zones has a higher risk.

The Member State concerned shall also monitor the presence of the specified pest in the vectors located in the demarcated area in order to determine the risk of further spreading posed by vectors and to evaluate the effectiveness of the phytosanitary control measures applied in accordance with Article 8.

*Article 11***Other relevant measures for the eradication of the specified pest**

1. The Member State concerned shall take any other measure which may contribute to the eradication of the specified pest, in accordance with International Standard for Phytosanitary Measure ('ISPM') No 9 ⁽¹⁾ and to contributing to applying an integrated approach in accordance with the principles set out in ISPM No 14 ⁽²⁾.

2. The Member State concerned shall take measures addressing any particularity or complication that could reasonably be expected to prevent, hinder or delay eradication, in particular those related to the adequate destruction of all plants that are infected or suspected of infection, or to the accessibility of their location, public or private ownership or the person or entity responsible for them.

⁽¹⁾ Guidelines for pest eradication programmes – Reference Standard ISPM No 9 by the Secretariat of the International Plant Protection Convention, Rome. Published 15 December 2011.

⁽²⁾ The use of integrated measures in a systems approach for pest risk management – Reference Standard ISPM No 14 by the Secretariat of the International Plant Protection Convention, Rome. Published 8 January 2014.

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3. The Member State concerned shall carry out appropriate investigations to identify the origin of the infection. It shall trace the host plants associated with the case of infection concerned, including those which were moved before a demarcated area was established. The results of such investigations shall be communicated to the Commission and the Member States in which those plants concerned originate, to the Member States through which those plants have moved and to the Member States where those plants have moved into.

CHAPTER V

CONTAINMENT MEASURES

*Article 12***General provisions**

The competent authority of the Member State concerned may decide to apply the containment measures set out in Articles 13 to 17, instead of eradication measures, in an infected zone listed in Annex III.

*Article 13***Removal of plants in an infected zone listed in Annex III**

1. The Member State concerned shall remove all plants which have been found to be infected by the specified pest on the basis of the monitoring referred to in Article 15(2).

That removal shall take place immediately after the official identification of the presence of the specified pest or, if the specified pest is detected outside the flight season of the vector, that removal shall take place before the next flight season of the vector. All necessary precautions shall be taken to avoid spreading of the specified pest and its vectors during and after removal.

2. By way of derogation from paragraph 1, the Member State concerned may decide, for scientific purposes, not to remove plants which have been found to be infected by the specified pest in the sites of plants with particular cultural and social value, referred to in Article 15(2)(b).

*Article 14***Measures against the vectors of the specified pest in the infected zones listed in Annex III**

1. The Member State concerned shall apply appropriate phytosanitary treatments against the vector population of the specified pest, in all its stages, on the plants referred to in Article 13(1) prior to their removal and around the plants referred to in Article 13(2). Those treatments shall include efficient chemical, biological or mechanical treatments against the vectors, taking into account the local conditions.

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2. In the areas referred to in points (a) and (b) of Article 15(2), the Member State concerned shall apply agricultural practices for the control of the vector population of the specified pest, in all its stages, at the most appropriate time of each year. Those practices shall include efficient chemical, biological or mechanical treatments against the vectors, taking into account the local conditions.

*Article 15***Annual surveillance of the infected zones listed in Annex III**

1. The Member State concerned shall, at least in the parts of the infected zone referred to in paragraph 2, immediately sample and test, within a radius of 50 m around the plants which have been found to be infected by the specified pest, the following plants:

- (a) all specified plants which belong to the species of the specified plants which have been found infected in the same demarcated area; and
- (b) all other plants showing symptoms indicating possible infection by that pest or suspected to be infected by that pest.

2. The Member State concerned shall monitor, at the most appropriate times, the presence of the specified pest by annual surveys, taking into account the information referred to in the Authority's Pest Survey Card on *Xylella fastidiosa*. That monitoring shall take place at least in the following parts of the infected zone listed in Annex III:

- (a) within an area measuring at least 5 km from the border of the infected zone with the buffer zone;
- (b) in the proximity of the sites of plants with particular cultural and social value located outside the area referred to in point (a) and designated accordingly by the Member State.

In those parts of the infected zone, the Member State concerned shall carry out sampling and testing of the species of host plants found infected in the demarcated area, in accordance with Article 2(6). For that purpose, taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 90 % confidence a level of presence of infected plants of 0,7 %. It shall also sample and test the vector population for the presence of the specified pest.

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3. Point (a) of paragraph 2 shall not apply in the case of islands which are entirely under containment measures and are situated more than 5 km to the nearest Union land territory.

4. In buffer zones, the Member State concerned shall sample and test the host plants, as well as other plants showing symptoms indicating possible infection by that pest or suspected to be infected by that pest. For that purpose, taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme shall be able to identify with at least 90 % confidence a level of presence of infected plants of 1 %, taking into account that the first 400 m adjacent to the infected zones pose a higher risk.

5. The Member State shall monitor the presence of the specified pests in vectors in the parts of the infected zone referred to in paragraph 2 and in the buffer zone in order to determine the risk of further spreading posed by vectors and to evaluate the effectiveness of the phytosanitary control measures applied in accordance with Article 14.

*Article 16***Destruction of plants**

1. The Member State concerned shall, in situ or in a nearby location designated for this purpose within the infected zone listed in Annex III, destroy plants and parts of plants which have been found to be infected by the specified pest, in a manner ensuring that the specified pest is not spread.

2. The Member State concerned may decide to limit the destruction to branches and foliage only and subject the related wood to appropriate phytosanitary treatments in accordance with Article 14(1), where it concludes that those plants do not pose any risk for further spreading of the specified pest. The root system of those plants shall be either removed or devitalised with an appropriate phytosanitary treatment to avoid resprouting.

*Article 17***Other relevant measures for the containment of the specified pest**

The Member State concerned shall take measures addressing any particularity or complication that could reasonably be expected to prevent, hinder or delay containment, in particular those related to the adequate destruction of all plants that are infected or suspected of infection, or to the accessibility of their location, public or private ownership or the person or entity responsible for them.

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CHAPTER VI

PLANTING OF SPECIFIED PLANTS IN INFECTED ZONES*Article 18***Authorisation concerning the planting of specified plants in infected zones**

The planting of specified plants in infected zones may only be authorised by the Member State concerned in one of the following cases:

- (a) those specified plants are grown in insect-proof sites of production free from the specified pest and its vectors;
- (b) those specified plants preferably belong to varieties assessed as being resistant or tolerant to the specified pest and are planted in the infected zones listed in Annex III, but outside the area referred to in Article 15(2)(a);
- (c) those specified plants belong to the same species of plants which have been tested and found free from the specified pest on the basis of the survey activities carried out for at least the past two years in accordance with Article 10 and are planted in the infected zones established for the purpose of eradication.

CHAPTER VII

MOVEMENT WITHIN THE UNION OF SPECIFIED PLANTS*Article 19***Movement out of a demarcated area, and from the respective infected zones into the buffer zones, of specified plants which have been grown in authorised production sites located in that demarcated area**

The movement out of a demarcated area, and from the respective infected zones into the buffer zones, of specified plants which have been grown in a production site located in that demarcated area, may only be allowed where all of the following conditions are fulfilled:

- (a) the specified plants have been grown during their entire production cycle in a site that has been authorised in accordance with Article 24 or have been present in such a site for at least the last three years;
- (b) throughout the time of growth of the specified plants, neither the presence of the specified pest nor that of its vectors were found in the site;

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- (c) the specified plants are subject to phytosanitary treatments against the vector population, in all its stages, at appropriate times of the year to maintain freedom from vectors of the specified pest. Those treatments shall include, as appropriate, efficient chemical, biological or mechanical methods, taking into account the local conditions;
- (d) the specified plants are transported through or within the demarcated area in closed containers or packaging, ensuring that infection with the specified pest or any of its vectors cannot occur;
- (e) as close as possible to the time of movement, the specified plants have been subjected to molecular testing for the presence of the specified pest on the basis of a test listed in Annex IV, using a sampling scheme able to identify with at least 80 % confidence a level of presence of infected plants of 1 %.

*Article 20***Movement out of a demarcated area, and from the respective infected zones into the buffer zones, of specified plants which have never been found infected in that demarcated area**

The movement out of a demarcated area, and from the respective infected zone into the buffer zones, of specified plants which have never been found infected in that demarcated area, may only be allowed where all of the following conditions are fulfilled:

- (a) the specified plants have been grown in a site that belongs to a professional operator registered in accordance with Article 65 of Regulation (EU) 2016/2031;
- (b) the specified plants belong to species of plants which have been grown for at least part of their life in a demarcated area and have been subjected, during three years from the establishment of the demarcated area, to survey activities as referred to in Articles 10 and 15 and never found to be infected with the specified pest;
- (c) the species of the specified plants referred to in point (b) are published in the Commission database of host plants which are not known to be infected in that specific demarcated area;
- (d) the specified plants are subject to phytosanitary treatments against the vector population, in all its stages, at appropriate times of the year to maintain freedom from vectors of the specified pest. Those treatments shall include, as appropriate, efficient chemical, biological or mechanical methods based on local conditions;

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- (e) as practically close to the time of movement as possible, the lots of the specified plants were subjected to inspection and molecular testing by the competent authority, using a sampling scheme able to identify with at least 95 % confidence a level of presence of infected plants of 1 %;
- (f) as practically close to the time of movement as possible, the lots of the specified plants were subjected to phytosanitary treatments against all vectors of the specified pest.

Article 21

Movement out of a demarcated area, and from the respective infected zones into the buffer zones, of specified plants which have been grown for the entire production cycle *in vitro* in that demarcated area

The movement out of a demarcated area, and from the respective infected zones into the buffer zones, of specified plants which have been grown for the entire production cycle *in vitro* in that demarcated area, may only be allowed where all of the following conditions are fulfilled:

- (a) the specified plants have been grown for their entire production cycle in a site that has been authorised in accordance with Article 24;
- (b) the specified plants have been grown in a transparent container under sterile conditions and fulfil one of the following conditions:
 - (i) they have been grown from seeds;
 - (ii) they have been propagated, under sterile conditions, from mother plants which have spent their entire lives in an area of the Union territory free from the specified pest and which have been tested and found free from the specified pest;
 - (iii) they have been propagated, under sterile conditions, from mother plants which have been grown in a site fulfilling the conditions laid down in Article 19 and which have been tested and found free from the specified pest using a sampling scheme able to identify with at least 95 % confidence a level of presence of infected plants of 1 %;
- (c) the specified plants are transported through or within demarcated areas in a container under sterile conditions that precludes the possibility of infection by the specified pest through its vectors.

*Article 22***Movement out of a demarcated area, and from the respective infected zones into the buffer zones, of dormant plants of *Vitis* which have been grown for part of their life in that demarcated area**

Movement out of a demarcated area, and from the respective infected zones into the buffer zones, of dormant plants of *Vitis* intended for planting, other than seeds, which have been grown for part of their life in that demarcated area and are listed as specified plants for that demarcated area, may only be allowed where all of the following conditions are fulfilled:

- (a) the plants have been grown in a site that belongs to an operator registered in accordance with Article 65 of Regulation (EU) 2016/2031;
- (b) as practically close to the time of movement as possible, the plants have undergone an appropriate thermotherapy treatment in a treatment facility authorised and supervised by the competent authority for that purpose, whereby the dormant plants are submerged for 45 minutes in water heated to 50 °C.

*Article 23***Movement within the infected zones, within the buffer zones, and from the buffer zones into their respective infected zones, of specified plants which have been grown for part of their life in a demarcated area**

The movement within the infected zones, within the buffer zones, and from the buffer zones into their respective infected zones, of specified plants which have been grown for at least part of their life in a demarcated area may only be allowed where all of the following conditions are fulfilled:

- (a) the specified plants have been grown in a site that belongs to an operator registered in accordance with Article 65 of Regulation (EU) 2016/2031;
- (b) that site is subject to annual sampling and testing by the competent authority for the presence of the specified pest, taking into account the information set out in the Authority's Pest Survey Card on *Xylella fastidiosa*;
- (c) the results of the annual inspection and of the testing of a representative sample confirm the absence of the specified pest;
- (d) the specified plants are subject to phytosanitary treatments against the vector population, in all its stages, at appropriate times of the year to maintain freedom from vectors of the specified pest. Those treatments shall include, as appropriate, efficient chemical, biological or mechanical methods, taking into account the local conditions;

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- (e) the professional operators shall ask the person receiving those plants to sign a declaration that those plants are not going to be moved out of those zones.

*Article 24***Authorisation of production sites**

1. The competent authority may only authorise a production site for the purposes of Articles 19 and 21 where it fulfils all of the following conditions:

- (a) it is registered in accordance with Article 65 of Regulation (EU) 2016/2031;
- (b) it has been authorised by the competent authority as a site physically protected against the specified pest and its vectors;
- (c) it has been subjected annually to at least two inspections by the competent authority, at the most appropriate time.

2. Where, during the annual inspections, the competent authorities detect the presence of the specified pest, or damages to the physical protection referred to in point (b) of paragraph 1, they shall immediately revoke the authorisation of the site and temporarily suspend the movement of the specified plants out of the demarcated areas concerned, and from the respective infected zones into the buffer zones.

3. Each Member State shall establish and update a list of all sites authorised in accordance with paragraph 1.

It shall transmit that list to the Commission and the other Member States immediately after establishing or updating that list.

*Article 25***Movement within the Union of specified plants which have never been grown inside a demarcated area**

1. Specified plants which have never been grown inside a demarcated area may only be moved within the Union where they have been grown in a site that fulfils the following conditions:

- (a) it belongs to a professional operator registered in accordance with Article 65 of Regulation (EU) 2016/2031 and is subject to annual inspection by the competent authority;
- (b) it is subject, as appropriate for the level of risk, to sampling and testing for the presence of the specified pest, using a test listed in Annex IV and taking into account the information set out in the Authority's Pest Survey Card on *Xylella fastidiosa*.

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2. By way of derogation from paragraph 1, plants for planting, other than seeds, of *Coffea*, *Lavandula dentata* L., *Nerium oleander* L., *Olea europaea* L., *Polygala myrtifolia* L. and *Prunus dulcis* (Mill.) D.A. Webb, may only be moved for the first time within the Union where the following conditions are fulfilled:

- (a) they have been grown in a site that is subject to annual inspection by the competent authority;
- (b) that site is subject to sampling and testing for the presence of the specified pest, taking into account the information set out in the Authority Pest Survey Card on *Xylella fastidiosa* and using a sampling scheme able to identify with at least 80 % confidence a level of presence of infected plants of 1 %.

*Article 26***Movement within the Union of pre-basic mother plants or pre-basic material, which have been grown outside a demarcated area**

Pre-basic mother plants as defined in Article 1(3) of Commission Implementing Directive 2014/98/EU ⁽¹⁾ or pre-basic material as defined in Article 2(5) of Council Directive 2008/90/EC ⁽²⁾ which belong to the species *Juglans regia* L., *Olea europaea* L., *Prunus amygdalus* Batsch, *P. amygdalus* x *P. persica*, *P. armeniaca* L., *P. avium* (L.) L., *P. cerasus* L., *P. domestica* L., *P. domestica* x *P. salicina*, *P. dulcis* (Mill.) D.A. Webb, *P. persica* (L.) Batsch, and *P. salicina* Lindley and which have been grown outside a demarcated area and spent at least part of their life outside insect-proof facilities, may only be moved within the Union where they are accompanied by a plant passport and the following conditions have been fulfilled:

- (a) they have been certified in accordance with Article 1 of Commission Implementing Decision (EU) 2017/925 ⁽³⁾;
- (b) within the shortest possible time prior to their movement, they have been subjected to visual inspection, sampling and molecular testing for the presence of the specified pest carried out in accordance with International Standards for Phytosanitary Measures.

⁽¹⁾ Commission Implementing Directive 2014/98/EU of 15 October 2014 implementing Council Directive 2008/90/EC as regards specific requirements for the genus and species of fruit plants referred to in Annex I thereto, specific requirements to be met by suppliers and detailed rules concerning official inspections, OJ L 298, 16.10.2014, p. 22.

⁽²⁾ Council Directive 2008/90/EC of 29 September 2008 on the marketing of fruit plant propagating material and fruit plants intended for fruit production, OJ L 267, 8.10.2008, p. 8.

⁽³⁾ Commission Implementing Decision (EU) 2017/925 of 29 May 2017 temporarily authorising certain Member States to certify pre-basic material of certain species of fruit plants, produced in the field under non-insect proof conditions, and repealing Implementing Decision (EU) 2017/167, OJ L 140, 31.5.2017, p. 7.

▼B*Article 27***Plant passports**

The plants referred to in Articles 19 to 26 shall only be moved within the Union if accompanied by a plant passport, subject to the requirements of Articles 78 to 95 of Regulation (EU) 2016/2031.

In the case of the specified plants referred to in Article 23, the following additional conditions shall apply:

- (a) in the case where they move within the infected zones only, the indication 'Infected Zone – XYLEFA' shall be included next to the traceability code referred to in paragraph 1(e) of Part A of Annex VII to Regulation (EU) 2016/2031;
- (b) in the case where they move within the buffer zone, or from the buffer zone into the infected zone, the indication 'Buffer Zone and Infected Zone – XYLEFA' shall be included next to the traceability code referred to in paragraph 1 (e) of Part A of Annex VII to Regulation (EU) 2016/2031.

CHAPTER VIII

INTRODUCTION INTO THE UNION OF HOST PLANTS*Article 28***Introduction into the Union of host plants originating in a third country where the specified pest is known not to be present**

Host plants originating in a third country where the specified pest is known not to be present, may only be introduced into the Union where the following conditions are fulfilled:

- (a) the national plant protection organisation of the third country concerned has communicated in writing to the Commission that the specified pest is known not to be present in the country on the basis of inspection, sampling and molecular testing by the competent authority, using a test listed in Annex IV, and in accordance with relevant International Standards for Phytosanitary Measures. Taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme used are able to identify with at least 80 % confidence a level of presence of infected plants at national level of 1 %;
- (b) the host plants are accompanied by a phytosanitary certificate stating under the rubric 'Additional Declaration' that the specified pest is not present in the country;
- (c) host plants have been grown in a site that is subject to annual inspection by the competent authority and, as appropriate for the level of risk, with sampling and testing, listed in Annex IV, carried out at the appropriate times on those plants for the presence of the specified pest;

▼B

- (d) plants for planting, other than seeds, of *Coffea*, *Lavandula dentata* L., *Nerium oleander* L., *Olea europaea* L., *Polygala myrtifolia* L. and *Prunus dulcis* (Mill.) D.A. Webb, have been grown in a site that is subject to annual inspection by the competent authority, with sampling and testing, listed in Annex IV, carried out at the appropriate times on those plants for the presence of the specified pest, using a sampling scheme able to identify with at least 80 % confidence a level of presence of infected plants of 1 %;
- (e) on entry into the Union, the host plants have been checked by the competent authority in accordance with Article 33 and the presence of the specified pest has not been found.

*Article 29***Introduction into the Union of host plants originating in a pest free area of an infected country**

Host plants originating in a third country where the specified pest is known to be present may only be introduced into the Union where all of the following conditions are fulfilled:

- (a) the host plants originate in an area which has been declared to be free from the specified pest, by the national plant protection organisation concerned in accordance with the relevant International Standards for Phytosanitary Measures and on the basis of official surveys based on sampling and testing, using a test listed in Annex IV. Taking into account the Authority's Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa*, the survey design and sampling scheme used are able to identify with at least 80 % confidence a level of presence of infected plants of 1 %;
- (b) the national plant protection organisation of the third country concerned has communicated in writing to the Commission the name of that area;
- (c) the host plants are accompanied by a phytosanitary certificate stating under the rubric 'place of origin' that the host plants concerned have spent their entire life in the area referred to in point (a), with specific reference to the name of that area;
- (d) host plants have been grown in a site that is subject to annual inspection by the competent authority and, as appropriate for the level of risk, with sampling and testing, listed in Annex IV, carried out at the appropriate times on those plants for the presence of the specified pest;

▼B

- (e) plants for planting, other than seeds, of *Coffea*, *Lavandula dentata* L., *Nerium oleander* L., *Olea europaea* L., *Polygala myrtifolia* L. and *Prunus dulcis* (Mill.) D.A. Webb, have been grown in a site that is subject to annual inspection by the competent authority, with sampling and testing, listed in Annex IV, carried out at the appropriate times on those plants for the presence of the specified pest, using a sampling scheme able to identify with at least 80 % confidence a level of presence of infected plants of 1 %;

- (f) on entry into the Union, the host plants have been checked by the competent authority in accordance with Article 33 and the presence of the specified pest has not been found.

*Article 30***Introduction into the Union of host plants originating in a pest free production site of an infected country**

1. Host plants originating in a third country where the specified pest is known to be present may only be introduced into the Union where the following conditions are fulfilled:

- (a) the host plants originate in a production site that has been authorised as pest free by the national plant protection organisation in accordance with Article 31;

- (b) the national plant protection organisation of the third country concerned has communicated in writing to the Commission the list of pest free production sites, including their location within the country;

- (c) the host plants are accompanied by a phytosanitary certificate stating the following:
 - (i) under the rubric ‘additional declaration’, that the host plants have been produced for their entire production cycle in one or more sites authorised as pest free by the national plant protection organisation in accordance with Article 31 and that the host plants have been transported in closed containers or packaging, ensuring that infection with the specified pest through its vectors cannot occur;

 - (ii) under the rubric ‘place of origin’, the name or code of the pest free production site(s);

- (d) on entry into the Union, the host plants have been checked by the competent authority in accordance with Article 33 and the presence of the specified pest has not been found.

▼B

2. Host plants which originate in a third country where the specified pest is known to be present and have been grown for the entire production cycle *in vitro*, may only be introduced into the Union where the following conditions are fulfilled:

- (a) the host plants meet one of the following conditions:
 - (i) they have been grown from seeds;
 - (ii) they have been propagated, under sterile conditions, from mother plants which have spent their entire lives in an area free from the specified pest and which have been tested and found free from the specified pest;
 - (iii) they have been propagated, under sterile conditions, from mother plants which have been grown in a site fulfilling the conditions of Article 31 and which have been tested and found free from the specified pest;
- (b) the host plants have been grown in a production site that has been authorised as pest free by the national plant protection organisation in accordance with Article 31;
- (c) the national plant protection organisation of the third country concerned has communicated in writing to the Commission the list of pest free production sites, including their location within the country.;
- (d) the host plants are accompanied by a phytosanitary certificate stating the following:
 - (i) under the rubric ‘additional declaration’, that the host plants have been produced *in vitro* for their entire production cycle in one or more sites authorised as pest free by the national plant protection organisation in accordance with Article 31 and that the host plants have been transported in closed containers or packaging, ensuring that infection with the specified pest or any of its known vectors cannot occur;
 - (ii) under the rubric ‘place of origin’, the name or code of the pest free production site.

*Article 31***Authorisation of production sites as pest free**

A production site may only be authorised as pest free where all of the following conditions are fulfilled:

▼B

- (a) the production site has been declared by the national plant protection organisation as an insect-proof site free from the specified pest and its vectors, in accordance with the relevant International Standards for Phytosanitary Measures;
- (b) the production site has undergone phytosanitary treatments against the vector population, in all its stages, at appropriate times of the year to maintain freedom from vectors of the specified pest. Those treatments shall include efficient chemical, biological or mechanical methods based on local conditions;
- (c) the production site is subjected annually to at least two inspections by the competent authority, at the most appropriate time;
- (d) as close as possible to the time of movement, the host plants originating in the production site have been subjected to molecular testing for the presence of the specified pest using a test listed in Annex IV and using a sampling scheme able to identify with at least 90 % confidence a level of presence of infected plants of 1 %.

Where during the annual inspections, the competent authorities detect the presence of the specified pest, or damages compromising the insect-proof conditions of the pest free production site, they shall immediately revoke the authorisation of the site and temporarily suspend the movement of the host plants. They shall immediately inform the Commission thereof.

CHAPTER IX

**OFFICIAL CHECKS ON MOVEMENT OF SPECIFIED PLANTS
WITHIN, AND OF HOST PLANTS INTO, THE UNION***Article 32***Official checks on movements of specified plants within the Union**

1. Member States shall carry out systematic official checks on specified plants being moved out of a demarcated area, or from an infected zone to a buffer zone.
2. Such checks shall be performed at least in the locations, including roads, airports and ports, where the host plants are moved from infected zones into buffer zones or other parts of the Union territory.
3. Those checks shall include a documentary check, and an identity check of the specified plants.
4. Those checks shall be carried out irrespective of the declared origin of the specified plants, ownership or the person or entity responsible for them.

▼B

5. Where those checks show that the conditions laid down in Articles 19 to 23 are not satisfied, the Member State which carried them out shall immediately destroy the non-compliant plant *in situ* or in a nearby location. That action shall be carried out taking all necessary precautions to avoid spreading of the specified pest, and any vectors carried by that plant, during and after removal.

*Article 33***Official checks at introduction into the Union****▼M1**

1. All consignments of host plants, introduced into the Union from a third country, shall be officially checked at the border control post of first arrival into the Union or at a control point in the cases and conditions set out in Commission Delegated Regulation (EU) 2019/2123.

▼B

2. In case of host plants originating in areas where the specified pest is known to occur, the competent authority shall carry out an inspection, consisting of sampling and testing of the lot of the specified plants to confirm the absence of the specified pest, using a sampling scheme able to identify with at least 80 % confidence, a level of infected plants of 1 %, taking account of ISPM No 31.

3. Paragraph 2 shall not apply to host plants which have been grown for the entire production cycle *in vitro* and are transported in transparent containers under sterile conditions.

CHAPTER X

COMMUNICATION ACTIVITIES*Article 34***Awareness campaigns**

1. Member States shall make information available to the general public, travellers, professional and international transport operators concerning the threat of the specified pest for the Union territory. They shall make that information publicly available, in the form of targeted awareness campaigns on the respective websites of the competent authority or other websites designated by it.

2. Within the demarcated areas, the Member State concerned shall raise public awareness concerning the threat of the specified pest and the measures adopted to prevent its introduction into and spread within the Union. It shall ensure that the general public, travellers and relevant operators are aware of the delimitation of the demarcated area, the infected zone and the buffer zone. The Member State concerned shall also inform relevant operators about the measures to take against the vector as laid down in Articles 8 and 14.



CHAPTER XI
FINAL PROVISIONS

Article 35

Reporting on measures by Member States

1. Member States shall, by 30 April of each year, transmit to the Commission and to the other Member States a report on the measures taken during the preceding year, pursuant to Articles 2, 4, 5, 7 to 18 and 32, as applicable, and on the results of those measures.

The results of the surveys carried out pursuant to Articles 10 and 15 in demarcated areas shall be transmitted to the Commission using the templates referred to in Annex V.

2. Member States shall, by 31 December of each year, transmit to the Commission and the other Member States a plan setting out the measures to be taken pursuant to Articles 2, 4, 5, 7 to 18 and 32, as applicable, in the following year. That plan shall set out the scheduled time period of each measure, the deadlines for implementing the measures and the allocated budget for all measures.

3. Where justified by the development of the respective phytosanitary risk, Member States shall adapt the respective measures and accordingly update the plan referred to paragraph 2. They shall immediately communicate that update to the Commission and the other Member States.

4. The Member State concerned shall immediately notify the Commission and the other Member States of any official identification of the presence of the specified pest in the locations referred to in Article 15(2)(a).

Article 36

Compliance

Member States shall, as necessary in order to comply with this Regulation, repeal or amend the measures, which they have adopted to protect themselves against the introduction and spread of the specified pest. They shall immediately inform the Commission of the repeal or amendment of those measures.

Article 37

Repeal

Implementing Decision (EU) 2015/789 is repealed.

▼B

Article 38

Entry into force and application

This Regulation shall enter into force on the third day following that of its publication in the *Official Journal of the European Union*.

However, the second sentence of Article 2(4), the third sentence of Article 5(1)(c), the second sentence of Article 28(a) and the second sentence of Article 29(a) shall apply from 1 January 2023.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

▼ B

ANNEX

▼ M2

ANNEX I

List of plants known to be susceptible to one or more subspecies of the specified pest (“host plants”)*Acacia**Acer**Adenocarpus lainzii**Albizia julibrissin* Durazz.*Alnus rhombifolia* Nutt.*Amaranthus retroflexus* L.*Ambrosia**Ampelopsis arborea* (L.) Koehne*Ampelopsis brevipedunculata* (Maxim.) Trautv.*Ampelopsis cordata* Michx.*Anthyllis hermanniae* L.*Artemisia**Asparagus acutifolius* L.*Athyrium filix-femina**Baccharis**Brassica**Calicotome spinosa* (L.) Link*Calicotome villosa* (Poiret) Link*Callicarpa americana* L.*Callistemon citrinus* (Curtis) Skeels*Calluna vulgaris* (L.) Hull*Carya**Catharanthus roseus**Celtis occidentalis* L.*Cercis canadensis* L.*Cercis occidentalis* Torr.*Cercis siliquastrum* L.*Chamaecrista fasciculata* (Michx.) Greene*Chenopodium album* L.*Chionanthus**Chitalpa tashkentensis* T. S. Elias & Wisura*Cistus**Citrus**Clematis cirrhosa* L.*Coelorachis cylindrica* (Michx.) Nash *Coffea**Conium maculatum* L.*Convolvulus cneorum* L.*Coprosma repens* A.Rich.*Coronilla**Cyperus eragrostis* Lam.

▼ M2

Cytisus
Digitaria
Diospyros kaki L.f.
Diplocyclos palmatus (L.) C.Jeffrey
Dodonaea viscosa (L.) Jacq.
Echium plantagineum
Elaeagnus angustifolia L.
Encelia farinosa A. Gray ex Torr.
Eremophila maculata (Ker Gawler) F. von Müller.
Erigeron
Erodium moschatum (L.) L'Hérit.
Erysimum hybrids
Euphorbia chamaesyce L.
Euphorbia terracina L.
Euryops chrysanthemoides (DC.) B.Nord
Euryops pectinatus (L.) Cass.
Fagus crenata Blume
Fallopia japonica (Houtt.) Ronse Decr.
Fatsia japonica (Thunb.) Decne. & Planch.
Ficus carica L.
Fortunella
Frangula alnus Mill.
Fraxinus
Genista
Ginkgo biloba L.
Gleditsia triacanthos L.
Grevillea juniperina Br.
Hebe
Helianthus
Helichrysum
Heliotropium europaeum L.
Hemerocallis
Hevea brasiliensis (Willd. ex A.Juss.) Müll.Arg.
Hibiscus
Humulus scandens (Lour.) Merr.
Ilex aquifolium L.
Ilex vomitoria Sol. ex Aiton
Iva annua L.
Jacaranda mimosifolia D. Don
Juglans
Juniperus ashei J. Buchholz
Koelreuteria bipinnata Franch.
Lagerstroemia
Laurus nobilis L.
Lavandula
Lavatera cretica

▼ M2

Ligustrum lucidum L.
Liquidambar styraciflua L.
Lonicera implexa
Lonicera japonica Thunb.
Lupinus aridorum
Lupinus villosus
Magnolia grandiflora L.
Mallotus paniculatus (Lam.) Müll.Arg.
Medicago arborea L.
Medicago sativa L.
Metrosideros
Mimosa
Modiola caroliniana (L.) G. Don
Morus
Myoporum insulare R. Br.
Myrtus communis L.
Nandina domestica Murray
Neptunia lutea (Leavenw.) Benth.
Nerium oleander L.
Olea
Osteospermum ecklonis DC.
Osteospermum fruticosum (L.) Norl.
Parthenocissus quinquefolia (L.) Planch.
Paspalum dilatatum Poir.
Pelargonium
Perovskia abrotanoides
Persea americana Mill.
Phagnalon saxatile (L.) Cass.
Phillyrea angustifolia L.
Phillyrea latifolia L.
Phlomis fruticosa L.
Phoenix
Pinus taeda L.
Pistacia vera L.
Plantago lanceolata L.
Platanus
Pluchea odorata (L.) Cass.
Polygala grandiflora
Polygala myrtifolia L.
Prunus
Psidium
Pteridium aquilinum
Pyrus
Quercus
Ratibida columnifera (Nutt.) Wooton & Standl.
Rhamnus

▼ M2

Rhus
Robinia pseudoacacia L.
Rosa
Rubus
Ruta chalepensis
Salvia mellifera Greene
Salvia officinalis
Salvia rosmarinus
Sambucus
Santolina chamaecyparissus L.
Santolina magonica
Sapindus saponaria L.
Sassafras
Setaria magna Griseb.
Solidago fistulosa Mill.
Solidago virgaurea L.
Sorghum halepense (L.) Pers.
Spartium
Stewartia pseudocamellia
Strelitzia reginae Aiton
Streptocarpus
Symphyotrichum divaricatum (Nutt.) G.L.Nesom
Teucrium capitatum L.
Trifolium repens L.
Ulex
Ulmus
Vaccinium
Vinca
Vitis
Westringia fruticosa (Willd.) Druce
Westringia glabra R.Br.
Xanthium strumarium L.

▼ **M2**

ANNEX II

List of plants known to be susceptible to specific subspecies of the specified pest (“specified plants”)**Specified plants susceptible to *Xylella fastidiosa* subspecies *fastidiosa****Acer**Ambrosia artemisiifolia* L.*Calicotome spinosa* (L.) Link*Cercis occidentalis* Torr.*Cistus monspeliensis* L.*Citrus sinensis* (L.) Osbeck*Coffea**Erysimum**Genista lucida* L.*Juglans regia* L.*Lupinus aridorum**Magnolia grandiflora* L.*Medicago sativa* L.*Metrosideros**Morus**Nerium oleander* L.*Pluchea odorata* (L.) Cass.*Polygala myrtifolia* L.*Prunus**Psidium**Rhamnus alaternus* L.*Rubus rigidus* Sm.*Rubus ursinus* Cham. & Schldl.*Ruta chalepensis**Salvia rosmarinus**Sambucus**Spartium junceum* L.*Streptocarpus**Teucrium capitatum* L.*Ulmus americana* L.*Vaccinium corymbosum**Vinca**Vitis***Specified plants susceptible to *Xylella fastidiosa* subspecies *multiplex****Acacia**Acer griseum* (Franch.) Pax*Acer pseudoplatanus* L.*Acer rubrum* L.*Adenocarpus lainzii**Alnus rhombifolia* Nutt.

▼ **M2**

Ambrosia
Ampelopsis cordata Michx.
Anthyllis hermanniae L.
Artemisia
Asparagus acutifolius L.
Athyrium filix-femina
Baccharis halimifolia L.
Calicotome spinosa (L.) Link
Calicotome villosa (Poir.) Link
Callistemon citrinus (Curtis) Skeels
Calluna vulgaris (L.) Hull
Carya
Celtis occidentalis L.
Cercis canadensis L.
Cercis occidentalis Torr.
Cercis siliquastrum L.
Chionanthus
Cistus
Clematis cirrhosa L.
Convolvulus cneorum L.
Coprosma repens A. Rich.
Coronilla
Cytisus
Dodonaea viscosa (L.) Jacq.
Echium plantagineum
Elaeagnus angustifolia L.
Encelia farinosa Gray ex Torr.
Erigeron
Erodium moschatum
Euryops chrysanthemoides (DC.) B.Nord.
Euryops pectinatus (L.) Cass.
Fallopia japonica (Houtt.) Ronse Decr.
Ficus carica L.
Frangula alnus Mill.
Fraxinus
Genista
Ginkgo biloba L.
Gleditsia triacanthos L.
Grevillea juniperina Br.
Hebe
Helianthus
Helichrysum
Hibiscus syriacus
Ilex aquifolium L.
Iva annua L.
Koelreuteria bipinnata Franch.

▼ M2

Lagerstroemia
Laurus nobilis L.
Lavandula
Lavatera cretica
Liquidambar styraciflua L.
Lonicera
Lupinus aridorum
Lupinus villosus Willd.
Magnolia grandiflora L.
Medicago arborea L.
Medicago sativa L.
Metrosideros
Myrtus communis L.
Nerium oleander
Olea
Osteospermum ecklonis (DC.) Norl.
Pelargonium
Perovskia abrotanoides
Phagnalon saxatile (L.) Cass.
Phillyrea angustifolia L.
Phillyrea latifolia
Phlomis fruticosa L.
Pistacia vera L.
Plantago lanceolata L.
Platanus
Polygala grandiflora
Polygala myrtifolia L.
Prunus
Pteridium aquilinum
Quercus
Ratibida columnifera (Nutt.) Wooton & Standl.
Rhamnus
Robinia pseudoacacia L.
Rosa
Rubus
Salvia mellifera Greene
Salvia officinalis
Salvia rosmarinus
Sambucus
Santolina chamaecyparissus L.
Santolina magonica
Sapindus saponaria L.
Solidago virgaurea L.
Spartium
Strelitzia reginae Aiton

▼ M2

Ulex

Ulmus

Vaccinium

Vinca

Westringia fruticosa Guerin.

Xanthium strumarium L.

Specified plants susceptible to *Xylella fastidiosa* subspecies *pauca*

Acacia

Amaranthus retroflexus L.

Asparagus acutifolius L.

Catharanthus roseus (L.) G. Don

Chenopodium album L.

Cistus albidus L.

Cistus creticus L.

Citrus

Coffea

Dodonaea viscosa (L.) Jacq.

Eremophila maculata (Ker Gawler) F. von Müller.

Erigeron

Euphorbia chamaesyce L.

Euphorbia terracina L.

Grevillea juniperina Br.

Hebe

Heliotropium europaeum L.

Hibiscus

Laurus nobilis L.

Lavandula

Myoporum insulare Br.

Myrtus communis L.

Nerium oleander L.

Olea europaea L.

Osteospermum fruticosum (L.) Norl.

Pelargonium

Phillyrea latifolia L.

Pistacia vera

Polygala myrtifolia L.

Prunus

Rhamnus alaternus L.

Salvia rosmarinus

Spartium junceum L.

Ulex parviflorus

Vinca minor L.

Westringia fruticosa (Willd.) Druce

Westringia glabra Br.

▼ B

ANNEX III

Infected zones referred to in Article 4(2) where containment measures set out in Articles 13 to 17 are applied

PART A

Infected zone in Italy

The infected zone of Italy includes the following areas:

1. The province of Lecce
2. The province of Brindisi
3. Municipalities located in the province of Taranto:

Avetrana

Carosino

Crispiano

Faggiano

Fragagnano

Grottaglie

Leporano

Lizzano

Manduria

Martina Franca

Maruggio

Monteiasi

Montemesola

Monteparano

Pulsano

Roccaforzata

San Giorgio Ionico

San Marzano di San Giuseppe

Sava

Statte

Taranto

Torricella

4. Municipality located in the province of Bari:

Locorotondo

▼B

PART B

Infected zone in France

The infected zone in France includes the following area:

The region of Corsica

PART C

Infected zone in Spain

The infected zone in Spain includes the following area:

The Autonomous Community of Balearic Islands

▼ **M1**

ANNEX IV

Tests for the identification of *Xylella fastidiosa* and its subspecies**A. Tests for the screening and identification of the presence of *Xylella fastidiosa***

1. Real time PCR based on Harper *et al.*, 2010 (and erratum 2013) ⁽¹⁾;
2. Loop-mediated isothermal amplification (LAMP) based on primers developed by Harper *et al.* 2010 (and erratum 2013) ⁽²⁾;
3. Real time PCR based on Ouyang *et al.*, 2013 ⁽³⁾
4. Conventional PCR based on Minsavage *et al.* 1994 ⁽⁴⁾

B. Molecular tests for the identification of the subspecies of *Xylella fastidiosa*

1. Multi Locus Sequence Typing (MLST) based on Yuan *et al.*, 2010 determining all subspecies ⁽⁵⁾;
2. PCR based on Hernandez-Martinez *et al.*, 2006 determining the subspecies *fastidiosa*, *multiplex* and *sandyi* ⁽⁶⁾;
3. PCR based on Pooler & Hartung 1995 determining the subspecies *pauca* ⁽⁷⁾.

⁽¹⁾ DOI: 10.1094/PHYTO-06-10-0168.

⁽²⁾ DOI: 10.1094/PHYTO-06-10-0168.

⁽³⁾ DOI: 10.1371/journal.pone.0081647.

⁽⁴⁾ DOI: 10.1094/Phyto-84-456.

⁽⁵⁾ DOI: 10.1094/PHYTO-100-6-0601.

⁽⁶⁾ DOI: 10.1094/PD-90-1382.

⁽⁷⁾ DOI: 10.1007/BF00294703.

Templates for the reporting of the results of the surveys carried out pursuant to Articles 10 and 15 in demarcated areas

PART A

Template for the report of results of statistically based annual surveys

1. Geographical location of the DA	2. Initial size of DA (ha)	3. Updated size of DA (ha)	4. Approach (E/C)	5. Zone (e.g. BZ/IZ)	6. Survey sites	7. Timing	A. Survey definition (input parameters for RiBESS+)									B. Sampling effort				C. Survey results																			
							8. Target population	9. Epidemiological units		10. Detection method			11. Sampling effectiveness			12. Method sensitivity			13. Risk factors (activities, locations and areas)			14. N° epidemiological units inspected		15. N° examinations		16. N° samples		17. N° tests		18. N° other measures		19. Results			20. Notification number of the outbreaks notified, as applicable, in accordance with Implementing Regulation (EU) 2019/1715		21. Achieved Confidence level		22. Design prevalence
Host species	Area (ha or other more relevant unit))	Inspection units	Description	Units	Visual examinations	Testing	Other methods								Risk factor	Risk levels	N° of locations	Relative risks	Proportion of the host population							Positive	Negative	Undetermined	Number	Date									

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Instructions on how to fill in the template

Explain the assumptions for the survey design. Summarise and justify:

- The target population, epidemiological unit and inspection units;
- The detection method and method sensitivity;
- The risk factor(s), indicating the risk levels and corresponding relative risks and proportions of host plant population.

For column 1: Indicate the name of the geographical area, outbreak number or any information that allows the identification of the Demarcated Area (DA) concerned and the date when it was established.

For columns 2 and 3: Indicate the size of the DA before the start of the survey and any relevant update.

For column 4: Indicate the approach: Eradication (E), Containment (C). Please, include as many rows as necessary, depending on the number of DA and the approaches these areas are subject to.

For column 5: Indicate the zone of the DA where the survey was carried out, including as many rows as necessary: Infected/infested zone (IZ) or buffer zone (BZ), using separate rows. When applicable, indicate the area of the IZ where the survey was carried out (e.g. last 5 km adjacent to the BZ, around nurseries, etc.) in different rows.

For column 6: Indicate the survey sites, using more than one row if needed. Please, always report the surveys carried out in nurseries in a different row. When using the option 'other', please specify what it is:

1. Open air (production area): 1.1 field (arable, pasture); 1.2. orchard/vineyard; 1.3. nursery; 1.4. forest;
2. Open air (others): 2.1. private gardens; 2.2. public sites; 2.3. conservation area; 2.4. wild plants in areas other than conservation areas; 2.5. other, with specification of the particular case (e.g. garden centre, etc.);
3. Physically closed conditions: 3.1. greenhouse; 3.2. private site, other than greenhouse; 3.3. public site, other than greenhouse; 3.4. other, with specification of the particular case (e.g. garden centre).

For column 7: Indicate the months of the year when the surveys were carried out.

For column 8: Indicate the chosen target population providing accordingly the list of host species and area covered. The target population is defined as the ensemble of inspection units. Its size is typically defined for agricultural areas as hectares, but it could be lots, fields, greenhouses, etc. Please justify the choice made in the underlying assumptions in column 23 ('Comments'). Indicate the inspection units surveyed. 'Inspection unit' means plants, plant parts, commodities, materials, pest vectors that had been scrutinised for identifying and detecting the pests.

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- For column 9: Indicate the epidemiological units surveyed, indicating its description and unit of measurement. ‘Epidemiological unit’ means a homogeneous area where the interactions between the pest, the host plants and the abiotic and biotic factors and conditions would result into the same epidemiology, should the pest be present. The epidemiological units are a subdivision of the target population which are homogenous in terms of epidemiology and which include at least one host plant. In some cases the whole host population in a region/area/country may be defined as epidemiological unit. They could be NUTS regions, urban areas, forests, rose gardens or farms, or hectares. The choice shall be justified in the underlying assumptions.
- For column 10: Indicate the methods used during the survey including the number of activities in each case. Indicate with N/A when the information of certain column is not available.
- For column 11: Indicate an estimation of the sampling effectiveness. Sampling effectiveness means the probability of selecting infected plant parts from an infected plant. For vectors, it is the effectiveness of the method to capture a positive vector when it is present in the survey area. For soil, it is the effectiveness of selecting a soil sample containing the pest when the pest is present in the survey area.
- For column 12: ‘Method sensitivity’ means the probability of a method to correctly detect pest presence. The method sensitivity is defined as the probability that a truly positive host tests positive. It is the multiplication of the sampling effectiveness (i.e. probability of selecting infected plant parts from an infected plant) by the diagnostic sensitivity (characterised by the visual inspection and/or laboratory test used in the identification process).
- For column 13: Provide the risk factors in different rows, using as many rows as necessary. For each risk factor indicate the risk level and corresponding relative risk and proportion of host population.
- For column B: Indicate the details of the survey. Indicate with N/A when the information of certain column is not applicable. The information to be provided in these columns is related to the information included in the column 10 ‘Detection methods’.
- For column 19: Indicate the number of samples found positive, negative or undetermined. ‘Undetermined’ are those analysed samples for which no result was obtained due to different factors (e.g. below detection level, unprocessed sample-not identified, old, etc.).
- For column 20: Indicate the outbreak notifications of the year when the survey took place. The outbreak notification number does not need to be included when the competent authority has decided that the finding is one of the cases referred to in Articles 14(2), 15(2) or 16 of Regulation (EU) 2016/2031. In this case, please indicate the reason for not providing this information in column 21 (‘Comments’).
- For column 21: Indicate the sensitivity of the survey, as defined in ISPM 31. This value of the achieved confidence level of pest freedom is calculated based on the inspections (and/or samples) performed given the method sensitivity and the design prevalence.
- For column 22: Indicate the design prevalence based on a pre-survey estimate of the likely actual prevalence of the pest in the field. The design prevalence is set as a goal of the survey and corresponds to the compromise the risk managers are making between the risk of having the pest and the resources available for the survey.

PART B

Template for the report of results of surveys carried out for insect vectors of *Xylella fastidiosa*

1. Description of the DA		2. Approach	3. Zone	4 Vector species	5. Visual examinations		6. Type of traps (or other vector capture method (e.g.,sweep net, etc.)	7. N° of traps (or other capture method)	8. Frequency of traps checking (or other method, if applicable)	9. Timing of traps checking (or other method, if applicable)	10. N° of vector samples collected	11. N° of vectors trapped	12. N° of vectors analysed	13. N° of vector samples analysed	14. N° of positive vector samples	15. N° of negative vector samples	16. N° of undetermined vector samples	17. Comments
Name	Date of establishment				Timing	Number												

Instructions on how to fill in the template

For column 1: Indicate the name of the area, outbreak number or any information that allows identifying the Demarcated Area (DA) and the date it was established.

For column 2: Indicate: Eradication (E), Containment (C). Please include as many rows as necessary, depending on the number of DA and the approaches these areas are subject to.

For column 3: Indicate the zone of the DA where the survey was carried out: Infected/infested zone (IZ) or buffer zone (BZ), using separate rows. When applicable, indicate the area of the IZ where the survey was carried out (e.g. last 5 km, around nurseries, etc.).

For column 4: Indicate the list of vector species of the pest indicated in the first column, using different rows per vector.

For column 5: Indicate only if applicable.

For column 6: Indicate the type of vector capture method. When more than one method is used for the same vector, provide the data in separate rows.

For column 7: Indicate the number of traps or other capture method, using a separate row per method.

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For column 8: Indicate when the traps or capture method were checked (e.g. once per week, once per month, four times per year, etc.).

For column 9: Indicate the months of the year when the traps are checked.

For column 10: Indicate the number of samples collected (a sample may contain several vectors).

For column 11: Indicate the total number of vector trapped. Please include only the number of the vector of interest, no bycatch.

For column 13: Indicate the number of vector samples analysed for the pest, applicable when a sample is composed by more than one vector.

For column 16: The number of undetermined samples, namely samples analysed but where due to different factors no result was obtained (e.g. below detection level, etc.).'