NAME OF THE ORGANISM: Candidatus Phytoplasma pyri (Pear decline mycoplasm) (PHYPPY)

GENERAL INFORMATION ON THE PEST

Name as submitted in the project specification (if different to the preferred name):
 
Pear decline mycoplasm  
Pest category:
 
Bacteria **1- Identity of the pest/Level of taxonomic listing:**  
Is the organism clearly a single taxonomic entity and can it be adequately distinguished from other entities of the same rank?
 
Yes  
Is the pest defined at the species level or lower?:
 
Yes  
Can listing of the pest at a taxonomic level higher than species be supported by scientific reasons or can species be identified within the taxonomic rank which are the (main) pests of concern?

* Not relevant: Ornamental sector

Is it justified that the pest is listed at a taxonomic rank below species level?
 
Not relevant  
Conclusion:

* Candidate: Ornamental sector

**2 – Status in the EU:**
   
Is this pest already a quarantine pest for the whole EU?
 
No  
Presence in the EU:
 
Yes  
List of countries (EPPO Global Database):
 
Austria (1993); Belgium (2012); Croatia (2010); Czech Republic (2007); France (2003); Germany (2011); Greece (2011); Hungary (2009); Italy (2012); Netherlands (2015); Poland (2002); Portugal (2013); Slovakia (1997); Slovenia (2014); Spain (2014); United Kingdom (2011); United Kingdom/England (2011)  
Conclusion:
 
candidate  
Justification (if necessary):
 
Data of the presence of this pest on the EU territory are available in EPPO Global Database (<https://gd.eppo.int/>). This pest is a candidate for the RNQP status according to the IIA2AWG

HOST PLANT N°1: Cydonia (1CYDG) for the Ornamental sector.

Origin of the listing:
 
IIA2AWG  
Plants for planting:
 
Plants intended for planting, other than seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**
 
Yes 
Conclusion:
 
Evaluation continues  
 
Justification (if necessary):
 
Decision by the HEWG to continue the evaluation of Candidatus phytoplasma in view of the problematic of vector transmission. As Candidatus phytoplasma pyri is very similar and listed in EPPO PM 4/27 Standard, the same decision is proposed for this pest. **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**
 
Yes 
Conclusion:
 
Candidate  
 
Justification:
 
Cydonia oblonga (quince) is a minor host as it is only poorly colonized by the phytoplasma. However plants for planting can be a efficient pathway, when propagated from infested plants. Vector transmission is also a pathway but it is considered less efficient than plants for planting. **5 - Economic impact:**  
Are there documented reports of any economic impact on the host?
 
No  
Justification:
 
Seemüller et al (2011) reported that in Italy, trees on quince (Cydonia oblonga) rootstocks were severely affected when psyllid infestation was high. However quince is described as having poor host properties (Prima Phacie, 2012).  
What is the likely economic impact of the pest irrespective of its infestation source in the absence of phytosanitary measures? (= official measures)
 
Minor  
Is the economic impact due to the presence of the pest on the named host plant for planting, acceptable to the propagation and end user sectors concerned?
 
Yes  
Is there unacceptable economic impact caused to other hosts (or the same host with a different intended use) produced at the same place of production due to the transfer of the pest from the named host plant for planting?
 
No  
Conclusion:
 
Not candidate  
Justification:
 
There is usually no economic impact for the ornamental use. In coherence with the fruit sector, indirect impact for quince and for pear is considered acceptable. **CONCLUSION ON THE STATUS:**
 
Disqualified: direct impact on ornamentals is considered minor and indirect impact for quince and for pear on quince rootstocks is considered acceptable. **8 - Tolerance level:**  
Is there a need to change the Tolerance level:
 
Yes  
Proposed Tolerance levels:
 
Delisting. **9 - Risk management measures:**  
Is there a need to change the Risk management measure:
 
Yes  
Proposed Risk management measure:
 
Delisting. **REFERENCES:**

* ANSES (2012) Rapport d'expertise collective. Groupe de travail "ARP phytoplasmes des arbres fruitiers". Available at <https://www.anses.fr/fr/system/files/SVEG2011sa0137Ra.pdf>;
* EU COM (2016) Recommendation of the Working Group on the Annexes of the Council Directive 2000/29/EC – Section II – Listing of Harmful Organisms as regards the future listing of Candidatus Phytoplasma pyri [Pear decline mycoplasma];
* Prima phacie (2012) Pest risk assessment for the European Community plant health: A comparative approach with case studies. External scientific report by group of authors: <http://www.efsa.europa.eu/fr/supporting/doc/319e.pdf>;
* Seemüller E, Schneider B & Jarausch B (2011) Pear Decline Phytoplasma. In: Virus and virus-like diseases of pome and stone fruits. St. Paul, Minnesota, APS Press/American Phytopathological Society;