NAME OF THE ORGANISM: Impatiens necrotic spot tospovirus (Impatiens necrotic spot virus) (INSV00)

GENERAL INFORMATION ON THE PEST

Name as submitted in the project specification (if different to the preferred name):

Pest category:

Viruses and viroids **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

Justification (if necessary):

Impatiens necrotic spot tospovirus (INSV) is a single taxonomic entity (genus Tospovirus: family Bunyaviridae). In 2015 it was proposed to change the name of the virus from Impatiens necrotic spot virus to Impatiens necrotic spot tospovirus (ICTV, 2015; Van Regenmortel et al., 2015). It has been ratified in 2016 for all the family of the Bunyaviridae. **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):

Belgium (2014); Bulgaria (2011); Czech Republic (2011); Finland (2013); France (2011); Germany (2011); Hungary (2007); Italy (1999); Italy/Sicilia (1998); Netherlands (2015); Poland (1997); Portugal (2011); Slovenia (2011); Spain (2011); United Kingdom (2011); United Kingdom/England (1998)
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/>).

HOST PLANT N°1: Begonia (Begonia x hiemalis) (BEGEH) for the Ornamental sector.

Origin of the listing:

Commission Directive 93/49/EEC
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:

Qualified

Justification (if necessary):

The pest is listed in EPPO PM 4/19 Standard on Begonia. Because publications mainly refer to Begonia sp., experts agreed to refer to the host plant as Begonia rather than only Begonia x hiemalis. **CONCLUSION ON THE STATUS:**

Recommended for listing as an RNQP, based on EPPO PM 4/19 Standard. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

Yes
Proposed Tolerance levels:

Zero tolerance approach, based on visual examination and/or testing. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

Yes
Proposed Risk management measure:

(A) The site of production has been subjected to a monitoring regime and appropriate treatments to ensure effective suppression of populations of relevant thrips vectors (Frankliniella occidentalis);
AND
(B) (a) No symptoms of Impatiens necrotic spot tospovirus have been observed on plants at the site of production during the current growing period;
or
(b) Any plants at the production site showing symptoms of Impatiens necrotic spot tospovirus during the current growing period have been rogued out and a representative sample of the plants to be marketed has been tested and found free from Impatiens necrotic spot virus.
Justification (if necessary):

Experts considered that visual examination on the marketed material was not sufficient. **REFERENCES:**

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* Hausbeck MK, Welliver RA, Derr MA & Gildow FE (1992) Tomato spotted wilt survey among greenhouse ornamentals in Pennsylvania. Plant Disease 76, 795–800;
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* Verhoeven TJ & Roenhorst JW (1998) Occurrence of tospoviruses in the Netherlands. Proceedings of the Fourth International Symposium on Tospoviruses and thrips in Floral and Vegetable Crops, Wageningen, Netherlands. 77-80;