NAME OF THE ORGANISM: Verticillium dahliae (VERTDA)

GENERAL INFORMATION ON THE PEST

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

Pest category:

Fungi **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: Fruits (including hops) sector

Is it justified that the pest is listed at a taxonomic rank below species level?

Not relevant
Conclusion:

* Candidate: Fruits (including hops) 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 (2014); Belgium (2015); Bulgaria (1986); Cyprus (2011); Czech Republic (2011); Denmark (1986); France (1986); Germany (2012); Greece (2013); Greece/Kriti (2013); Hungary (1986); Italy (2007); Malta (2007); Netherlands (2015); Portugal (1986); Slovakia (2012); Spain (2014); United Kingdom (2014); United Kingdom/England (1986); United Kingdom/Scotland (1986); United Kingdom/Channel Islands (1986)
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/>). V. dahliae is present in most EU MSs, with the exception of Ireland (absent, no pest records) and Poland (absent/uncertain). The current status of V. dahliae in the MSs where the pathogen is known to occur ranges from “restricted distribution” to “widespread” (EFSA, 2014).

HOST PLANT N°1: Humulus lupulus (HUMLU) for the Fruits (including hops) 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:

Qualified **CONCLUSION ON THE STATUS:**

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

No
Proposed Tolerance levels:

Zero tolerance of symptomatic plants in the marketed material. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

Yes
Proposed Risk management measure:

Non-certified material:
(A) Derived from mother plants which have been inspected and found free from symptoms of Verticillium dahliae.
AND
(B) (a) Plants produced in areas known to be free from Verticillium dahliae;
or
(b) (aa) Isolation from production crops of Humulus lupulus, and
(bb) Site of production found free from Verticillium dahliae over the last complete growing season at appropriate times by visual inspection of the foliage, and
(cc) Recording of cropping and soil borne disease history of fields with a rest period from host plants of at least four years between findings of Verticillium dahliae and next planting.

- Pre-basic, Basic, Certified material (Remark: no certification scheme on Hops at EU level):
Additional measures to be considered:
• Recording of cropping and soil borne disease history of fields;
• Testing of pre-basic mother plants;
• Pre-basic, basic: no symptoms seen at two inspections at appropriate times during the last growing season. **REFERENCES:**

* EFSA Panel on Plant Health (PLH) (2014) Scientific Opinion on the pest categorisation of Verticillium dahliae Kleb. EFSA Journal 2014;12(12):3928, 54 pp. doi:10.2903/j.efsa.2014.3928. <http://www.efsa.europa.eu/en/efsajournal/doc/3928.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 Verticillium dahlia Kleb.;