NAME OF THE ORGANISM: Cucumber mosaic virus (CMV000)

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: Seed potato sector, Vegetable propagating and planting material (other than seeds) sector, Ornamental sector, Fruits (including hops) sector

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

Not relevant
Conclusion:

* Candidate: Seed potato sector, Vegetable propagating and planting material (other than seeds) sector, Ornamental sector, 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 (2002); Belgium (2013); Bulgaria (2014); Croatia (2002); Cyprus (2011); Czech Republic (1993); Denmark (1992); Estonia (2002); Finland (2011); France (1993); Germany (1993); Greece (2015); Hungary (2002); Ireland (2002); Italy (2014); Latvia (2002); Lithuania (2002); Malta (1995); Netherlands (1993); Poland (2014); Portugal (2002); Romania (1992); Slovakia (2002); Slovenia (2002); Spain (2013); Sweden (2002); United Kingdom (1993)
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: Apium graveolens (APUGV) for the Vegetable propagating and planting material (other than seeds) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP Questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the vegetable SEWG as being a candidate for the RNQP Status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the Vegetable propagating and planting (excluding seeds) EU Marketing Directives.

HOST PLANT N°2: Capsicum annuum (CPSAN) for the Vegetable propagating and planting material (other than seeds) sector.

Origin of the listing:

2 - Vegetable seedling sector: Commission Directive 93/61/EC
Plants for planting:

Plants intended for planting **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

No
Conclusion:

Evaluation continues **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**

No
Conclusion:

Not candidate

Justification:

CMV has a very wide host range, including member species of the Solanaceae, Cucurbitaceae, Leguminosae and many weeds. Relative to the inoculum that is already present around fields, vegetable propagating and planting material is not a significant pathway. **CONCLUSION ON THE STATUS:**

Disqualified: Plants for planting is not considered to be a significant pathway in view of its wide host range. The 'substantially free from requirement' would be sufficient. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

No
Proposed Tolerance levels:

Delisting. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

No
Proposed Risk management measure:

Delisting. **REFERENCES:**

* CABI (Centre for Agricultural Bioscience International) (2017) Datasheets Cucumber mosaic virus (cucumber mosaic). Invasive species compendium. CABI, Wallingford, UK. Available from <http://www.cabi.org/isc/datasheet/16970>;

HOST PLANT N°3: Cucumis melo (CUMME) for the Vegetable propagating and planting material (other than seeds) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP Questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the vegetable SEWG as being a candidate for the RNQP Status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the Vegetable propagating and planting (excluding seeds) EU Marketing Directives.

HOST PLANT N°4: Cucurbita pepo (CUUPE) for the Vegetable propagating and planting material (other than seeds) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP Questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the vegetable SEWG as being a candidate for the RNQP Status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the Vegetable propagating and planting (excluding seeds) EU Marketing Directives.

HOST PLANT N°5: Gladiolus (1GLAG) for the Ornamental sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the ornamental SEWG as being a candidate for the RNQP status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the EU Marketing Directives for ornamentals.

HOST PLANT N°6: Lilium (1LILG) for the Ornamental sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the ornamental SEWG as being a candidate for the RNQP status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the EU Marketing Directives for ornamentals.

HOST PLANT N°7: Ribes (1RIBG) for the Fruits (including hops) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: from the fruit Marketing Directive (see Terms of reference)

HOST PLANT N°8: Rubus (1RUBG) for the Fruits (including hops) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: from the fruit Marketing Directive (see Terms of reference)

HOST PLANT N°9: Rubus (1RUBG) for the Fruits (including hops) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: from the fruit Marketing Directive (see Terms of reference)

HOST PLANT N°10: Solanum lycopersicum (LYPES) for the Vegetable propagating and planting material (other than seeds) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP Questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the vegetable SEWG as being a candidate for the RNQP Status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the Vegetable propagating and planting (excluding seeds) EU Marketing Directives.

HOST PLANT N°11: Solanum melongena (SOLME) for the Vegetable propagating and planting material (other than seeds) sector.

**CONCLUSION ON THE STATUS:**

Not evaluated: This pest/host combination was not identified by any EU MS in the RNQP Questionnaire as requiring a revision of current thresholds and or a revision of current management measures. This pest/host combination was not identified by the experts of the vegetable SEWG as being a candidate for the RNQP Status with specific tolerance levels and/or specific risk management measures. Experts recommended that this pest/host combination should be covered in the future by the 'substantially free from' requirement that will remain in the Vegetable propagating and planting (excluding seeds) EU Marketing Directives.

HOST PLANT N°12: Solanum tuberosum (SOLTU) for the Seed potato sector.

Origin of the listing:

PM 4/28 (1)
Plants for planting:

Plants intended for planting of nuclear stock, other than [true] seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

Yes
Conclusion:

Qualified

Justification (if necessary):

Experts agreed that the nuclear stock should be tested or derived from mother plants which have been tested for this virus. **CONCLUSION ON THE STATUS:**

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

Yes
Proposed Tolerance levels:

Zero tolerance, only for nuclear stock. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

Yes
Proposed Risk management measure:

Nuclear stock should be tested or derived from mother plants which have been tested for Cucumber mosaic virus. **REFERENCES:**