

RNQP Project

... a 2-year project contracted with the EU COM
for benefit to the entire EPPO region

WORKSHOP ON REGULATED PESTS: Risk analysis & listing

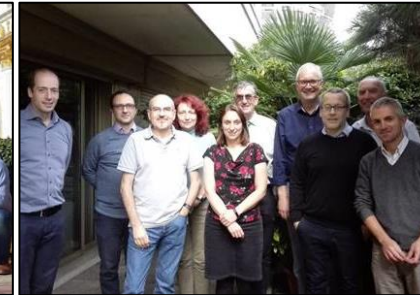
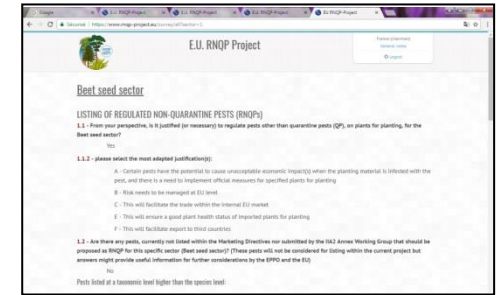
SESSION 2: Assessment of the RNQP status

4. Outcome of the RNQP Project and recommendations
for the EPPO region ;

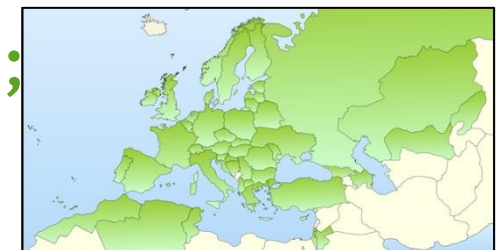


1 – Data collected from:

- Questionnaire responses;
- Scientific literature;
- Practical experience within six sector-EWGs;



- A country and stakeholders consultation;



2 – Draft recommendations from the Project

- Recommendations only applicable for pests present in a country/area;
- A pest cannot have simultaneously a quarantine and RNQP status for the same area;
- The project itself does not make any recommendation on changes in quarantine status, only on suitability for RNQP status;

 ORGANISATION EUROPEENNE ET MEDITERRANEE POUR LA PROTECTION DES PLANTES
EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION

Topic Leader(s): Mr Camille Picard
Date: 2018-01-11
Reference: 17-23244

Final report for EU Quality Pests Project (RNQP project)

Final report in accordance with Annex 1 ("Tender specifications", section 11 ("Reports and documents to be submitted") of the contract SANTE/2016/G1/SI/2.726941.



The subject of the contract is the assessments for a list of Union QP framework of the new Regulation Project¹.

OEPP/EPPO
Tel.:

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION
ORGANISATION EUROPEENNE ET MEDITERRANEE POUR LA PROTECTION DES PLANTES
18-23812
WP/PR-F04159-1

Recommended list of RNQPs, thresholds and risk management measures from the RNQP Project

Background
In the context of the new EU regulatory context, and for the benefit of the entire region, EPPO agreed to undertake a 2-year project on RNQPs funded by the European Commission: The 'EU Quality pest' Project. This project began in April 2016. The first objective of the project was to develop a methodology for the rapid evaluation of the RNQP status of a list of pests. The second objective was to recommend a list of pest/host combinations for listing as RNQPs, and to discuss modifications of the existing EU risk management measures and thresholds based on the replies to a questionnaire.

Draft recommendations on the RNQP status, and corresponding risk management measures and thresholds were developed by six Sector Expert Working Groups (SEWGs), using the methodology developed.

These draft recommendations were circulated to NPPOs and EU Stakeholders associations in October 2017. NPPOs and EU Stakeholders associations were asked to provide additional data (scientific data or practical experience) by December 2017 for a possible revision of these recommendations.

The core-Horizontal Expert Working Group (core-HEWGO), and selected experts from the SEWGs met once more by videoconference to review the result of the consultation and consider any possible changes to be made to the recommendations.

The final report was sent to the European Commission in April 2018.

During the whole RNQP Project, the EPPO Working Party on Phytosanitary Regulations and the EPPO Council were kept informed and consulted on the practical application of the methodology.

List of pest/host/intended use combinations recommended for listing as RNQPs in the EPPO region
The list of pest/host/intended use combinations recommended for listing as an RNQP in the EPPO region represents about 300 pest/host/intended use combinations from the approximately 1400 submitted for evaluation¹. The intended use² means the declared purpose for which plants, plant products or other articles are imported, produced or used. It is referring to the sector and sometimes to the category of material (Pre-basic, Basic, Certified, Non-certified). This list is made available in Annex 1 of this note, whereas the complete list of pest/host/intended use evaluated during the project is available in the final report (document 18-23609).

These recommendations are only applicable for pests present in a country/area. It should also be noted that a pest cannot have simultaneously a quarantine and regulated non-quarantine status. The project itself does not make any recommendation on changes in quarantine status, only on suitability for RNQP status.

Some of the pest/host/intended use combinations (highlighted in green in Annex 1) qualifying for listing as RNQPs were not recommended for listing in the EU with specific thresholds or risk management measures because of the existing 'substantially free from' general requirement which was considered to be sufficient. However these combinations are recommended for listing as RNQPs for the entire EPPO region, with the only requirement of absence of visual symptoms on the traded material.

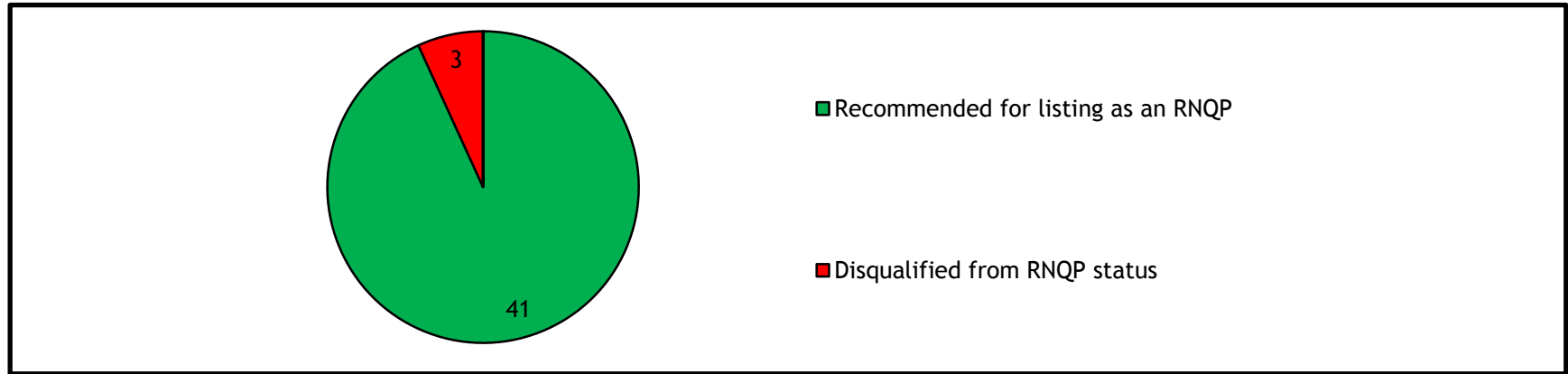
The Working Party should decide whether the list of pest/host combinations recommended for listing as RNQPs for the EPPO region should be endorsed.

Recommended threshold and risk management measures
The recommended thresholds and risk management measures are made available in Annex 23 of the final report of the RNQP Project (document 18-23609).

The Working Party should decide whether they agree with the thresholds and risk management measures recommended during the project.

¹ A large number of the combinations, from the ornamental and the vegetable sectors were disqualified based on the replies to the questionnaire.

Seed potato sector



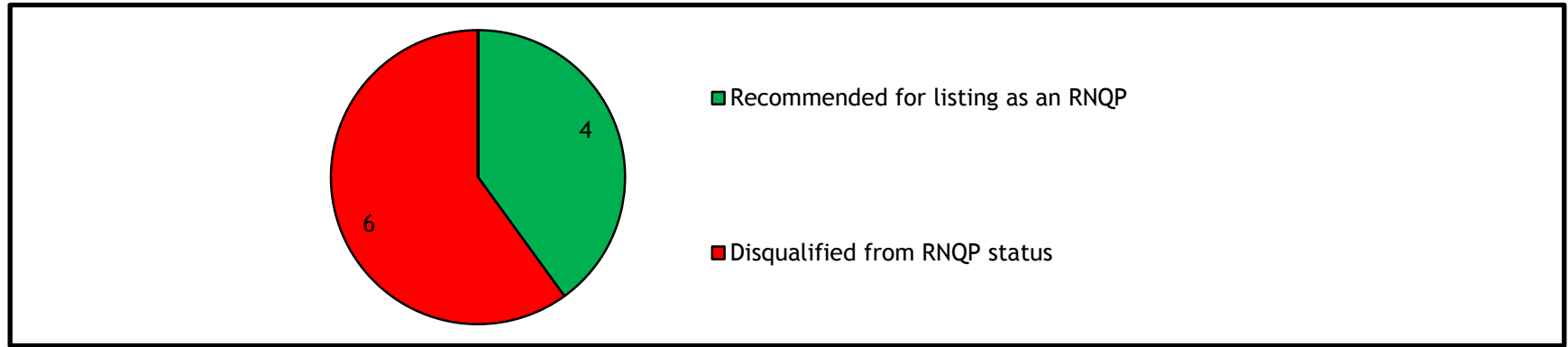
- Some pests currently listed based on symptoms:
 - > Recommendation to list the pest (if possible at species level) & possibility to take measures based on symptoms;
- Viruses & Viruses (mosaic symptoms and leaf roll virus together)
 - > recommendation that targeted viruses are listed individually;
- A few pests disqualified: e.g. *Helicoverpa armigera*
 - > seed potatoes not considered to be a significant pathway;
- Discussion on RMMs for pests from Council Directive 2000/29 + for a list of viruses (for nuclear stock only);
 - > Tomato spotted wilt virus, 'Candidatus Phytoplasma solani', *Ditylenchus destructor*, Potato spindle tuber viroid, 'Candidatus Liberibacter solanacearum' etc.

Pest/host/combinations recommended for listing as RNQPs

PEST	HOST	PLANTS TO BE REGULATED
Seed potato		
<i>Alfalfa mosaic virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Alternaria</i> (anamorphic genus) ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Athelia rolfsii</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Boeremia</i> (anamorphic genus) ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
' <i>Candidatus</i> Liberibacter solanacearum'	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
' <i>Candidatus</i> Phytoplasma solani' ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Cucumber mosaic virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Dickeya</i>	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Ditylenchus destructor</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Fusarium</i> (anamorphic genus) ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Geotrichum candidum</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Helicobasidium brebissonii</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Helminthosporium solani</i> ^c	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Pectobacterium</i>	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Phytophthora erythroseptica</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Phytophthora infestans</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato aucuba mosaic virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Potato leafroll virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato mop-top virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Potato spindle tuber viroid</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato virus A</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato virus M</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato virus S</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato virus V</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Potato virus X</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Potato virus Y</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Pythium</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Sclerotinia minor</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Sclerotinia sclerotiorum</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Spongospora subterranea</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Streptomyces</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Thanatephorus cucumeris</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds
<i>Tobacco mosaic virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Tobacco necrosis virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Tobacco rattle virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Tomato black ring virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Tomato mosaic virus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting of nuclear stock, other than [true] seeds
<i>Tomato spotted wilt tospovirus</i> ^a	<i>Solanum tuberosum</i>	Plants intended for planting, other than [true] seeds

Only for nuclear stock

Forest plants for planting sector:



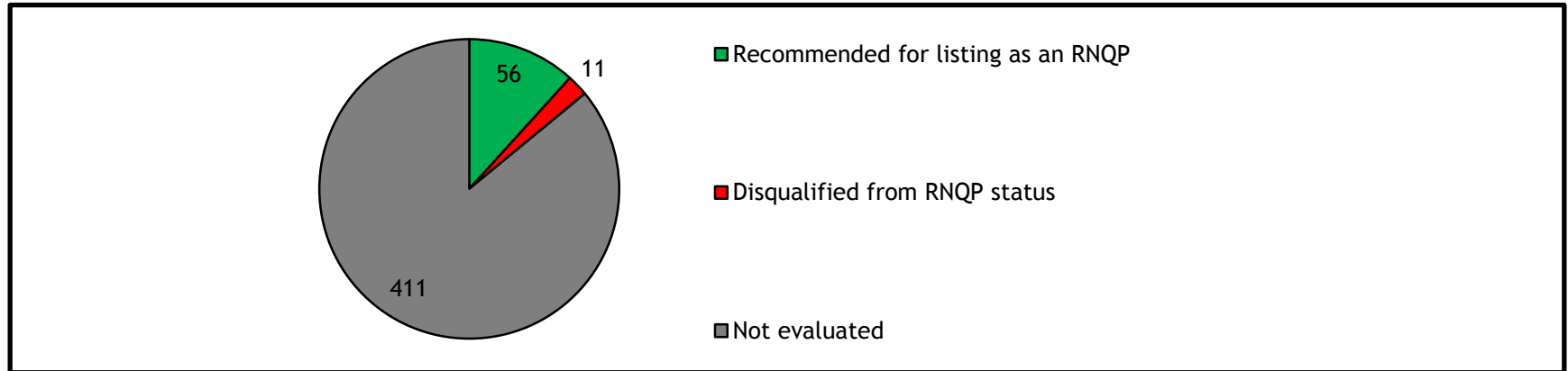
- Pest/host evaluated coming from Council Directive 2000/29 (no pest currently listed in Council Marketing Directive 1999/105/EC);
 - Deregulation proposed for
 - ❖ *Cryphonectria parasitica* on *Quercus*: no significant damage, not a significant pathway,
 - ❖ ‘*Ca. Phytoplasma prunorum*’ on *Prunus*, ‘*Ca. P. ulmi*’ on *Ulmus* and *Xanthomonas arboricola* pv. *pruni* on *Prunus avium*: no economic impact for the forestry sector, Rq: if *X. arboricola* pv. *pruni* produced at the same site of production as for fruit and ornamental *Prunus* plants should comply with measures for these sectors.
 - Modification of RMMs for pests recommended for RNQP status;
 - Phytophthoras are the highest priority for additional RNQP listing;
 - Issue about assisted migration through propagating material, linked to climate change - hosts and pests moving north
- > sentinel plants could help predict this.

Pest/host/combinations **recommended** for listing as RNQPs

Forest plants		
<i>Dothistroma pini</i>	<i>Pinus</i>	Plants intended for planting, other than seeds
<i>Cryphonectria parasitica</i>	<i>Castanea</i>	Plants intended for planting, other than seeds
<i>Lecanosticta acicola</i>	<i>Pinus</i>	Plants intended for planting, other than seeds
<i>Dothistroma septosporum</i>	<i>Pinus</i>	Plants intended for planting, other than seeds



Fruits (including hops) and Vine sectors:



- Pests listed in the EU fruit Marketing Directive (Impl. Directive 2014/98/EU) not analysed during the project (only analysed regarding taxonomy);
- Fruits: deregulation proposed for
 - ❖ *Aonidiella citrina* (impact acceptable with treatments);
 - ❖ ‘*Ca. Phytoplasma pyri*’ on *Cydonia* (impact for quince and for pear on quince rootstocks is minor and considered acceptable);
 - ❖ *Cherry leaf roll virus* on *Rubus* (impact is acceptable);
 - ❖ *Liriomyza huidobrensis*, *Liriomyza trifolii* on herbaceous fruit species such as *Fragaria* (not a significant pathway);
 - ❖ *Opogona sacchari* (not important for fruit production).

- Modification of the current RMMs is recommended for all pest/host combinations recommended for listing as RNQPs;
- *Raspberry leaf blotch virus* on Raspberry, *Grapevine Pinot Gris virus* on *Vitis* are obvious priorities for analyse of the RNQP listing in the future. SEWG also recommended analysing the RNQP status of the different fungi affecting wood tissues of grapevine.



Pest/host/combinations **recommended** for listing as RNQPs

Fruits (including hops and vine)		
Fruit plants		
<i>Aphelenchoides besseyi</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Arabid mosaic virus</i> ^a	<i>Rubus, Fragaria</i>	Plants intended for planting, other than seeds
' <i>Candidatus Phytoplasma mali</i> '	<i>Malus</i>	Plants intended for planting, other than seeds
' <i>Candidatus Phytoplasma prunorum</i> '	<i>Prunus</i>	Plants intended for planting, other than seeds
' <i>Candidatus Phytoplasma pyri</i> '	<i>Pyrus</i>	Plants intended for planting, other than seeds
<i>Cherry leaf roll virus</i>	<i>Actinidia</i>	Plants intended for planting, other than seeds
<i>Citrus tristeza virus</i> ^{a, b}	<i>Citrus, Citrus hybrids, Fortunella, Fortunella hybrids, Poncirus, Poncirus hybrids</i>	Plants intended for planting, other than seeds
<i>Cryphonectria parasitica</i>	<i>Castanea</i>	Plants intended for planting, other than seeds
<i>Erwinia amylovora</i>	<i>Cydonia</i> ^a , <i>Eriobotrya, Malus</i> ^a , <i>Mespilus, Pyrus</i> ^a	Plants intended for planting, other than seeds
<i>Phytophthora fragariae</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Plenodomus tracheiphilus</i> ^a	<i>Citrus, Citrus hybrids, Fortunella, Fortunella hybrids, Poncirus, Poncirus hybrids</i>	Plants intended for planting, other than seeds
<i>Pseudomonas syringae</i> pv. <i>Persicae</i>	<i>Prunus persica, Prunus salicina</i>	Plants intended for planting, other than seeds
<i>Raspberry ringspot virus</i> ^a	<i>Fragaria, Rubus</i>	Plants intended for planting, other than seeds
<i>Spiroplasma citri</i> ^a	<i>Citrus, Citrus hybrids, Fortunella, Fortunella hybrids, Poncirus, Poncirus hybrids</i>	Plants intended for planting, other than seeds
<i>Strawberry crinkle virus</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Strawberry latent ringspot virus</i> ^a	<i>Fragaria, Rubus</i>	Plants intended for planting, other than seeds
<i>Strawberry mild yellow edge virus</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Strawberry vein banding virus</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Tomato black ring virus</i> ^a	<i>Fragaria, Rubus</i>	Plants intended for planting, other than seeds
<i>Xanthomonas arboricola</i> pv. <i>pruni</i> ^a	<i>Prunus</i>	Plants intended for planting, other than seeds
<i>Xanthomonas fragariae</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds

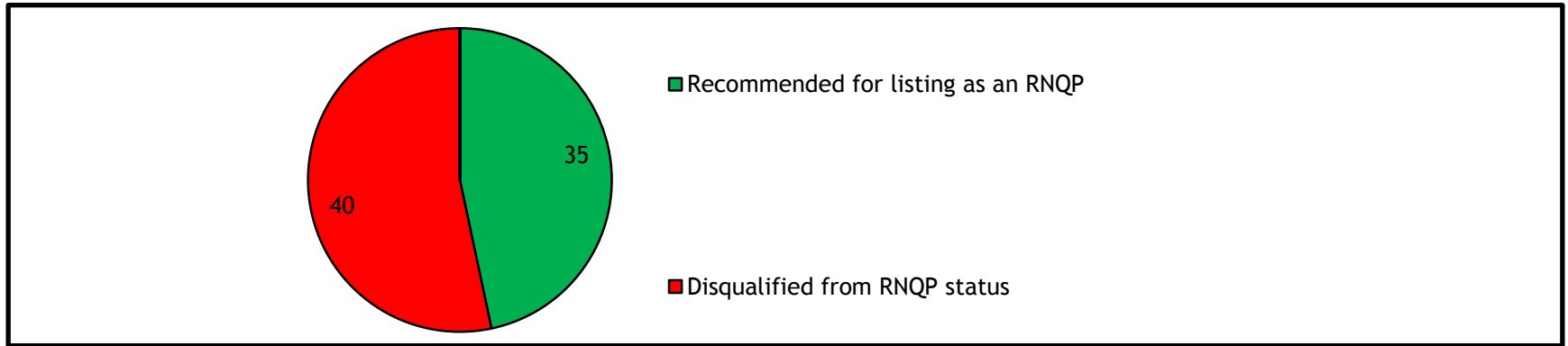
Pest/host/combinations **recommended** for listing as RNQPs

Hops plants		
<i>Verticillium dahliae</i> ^a	<i>Humulus lupulus</i>	Plants intended for planting, other than seeds
<i>Verticillium nonalfalfae</i> ^a	<i>Humulus lupulus</i>	Plants intended for planting, other than seeds



Vine plants		
<i>Arabis mosaic virus</i> ^a	<i>Vitis</i>	Plants intended for planting, other than seeds
' <i>Candidatus</i> Phytoplasma solani' ^a	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Cherry leaf roll virus</i>	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Grapevine fanleaf virus</i> ^a	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Grapevine fleck virus</i> ^a	<i>Vitis</i> species and their hybrids, except <i>Vitis vinifera</i>	Plants intended for planting, other than seeds
<i>Grapevine leafroll-associated virus 1</i> ^a	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Grapevine leafroll-associated virus 3</i> ^a	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Viteus vitifoliae</i>	<i>Vitis</i>	Plants intended for planting, other than seeds
<i>Xylophilus ampelinus</i> ^a	<i>Vitis vinifera</i>	Plants intended for planting, other than seeds

Agricultural species sector:



- Particular issues linked to mycotoxins and to organic farming should be taken into consideration when defining thresholds and RMMs;
- Listing of *Ustilaginaceae* on cereals + listing of *Botrytis* on *Cannabis sativa*, *Helianthus annuus* & *Linum usitatissimum* is proposed at the species level;
- Cereals: deregulation proposed for
 - ❖ *Claviceps purpurea* on *Oryza sativa*, *Sorghum bicolor*, *S. sudanense*, *Sorghum x drummondii* and *Zea mays* (not recorded as host plants);

- Oil & Fibre: **deregulation proposed** for
 - ❖ *Botrytis cinerea* on *Cannabis sativa* (Evidence of economic impacts is not as strong as for sunflower and flax);
 - ❖ *Cadophora gregata* on *Glycine max* (seed is not considered to be a significant pathway compared to other);
 - ❖ *Diaporthe phaseolorum* var. *phaseolorum* on *Glycine max* (not a valid name: only *D. caulivora* and *D. phaseolorum* var. *sojae* recommended for RNQP listing);
 - ❖ *Fusarium oxysporum* f.sp. *lini* on *Linum usitatissimum* (seed is not the main pathway. Covered by listing of *Fusarium*);
 - ❖ *Pectinophora gossypiella* on *Gossypium* sp. (cotton seeds are not the main pathway);
 - ❖ *Phytophthora sojae* on *Glycine max* (no evidence of significant economic impact in Europe);
 - ❖ *Pseudomonas savastanoi* pv. *glycinea* on *Glycine max* (minor economic impact);
- For the cereal sector, ***Tilletia* species** identified as obvious priorities for RNQP listings in the future;

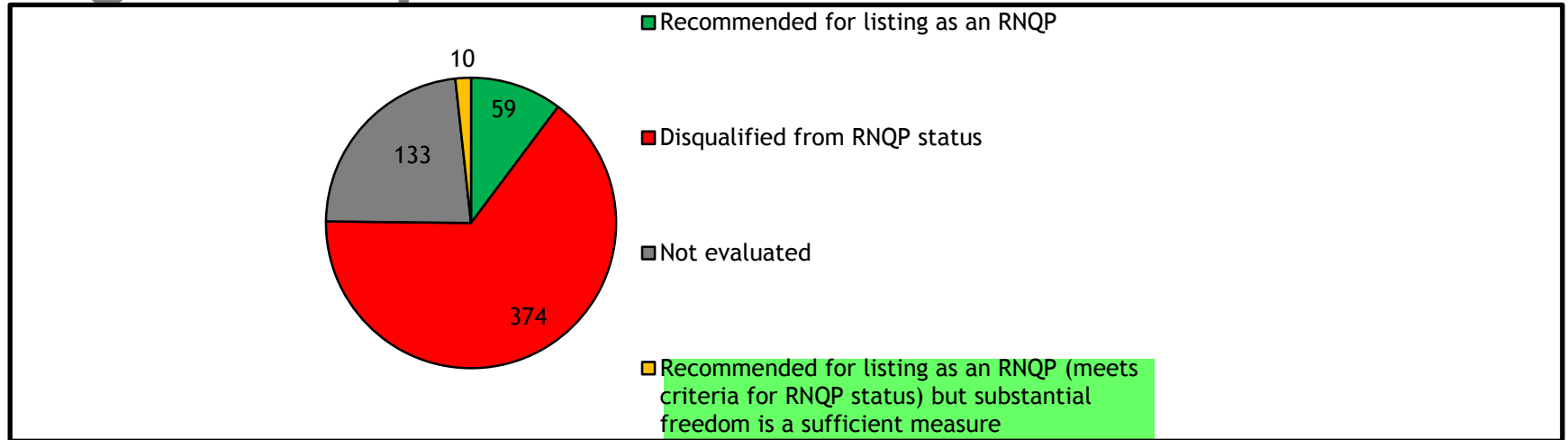
These are a major issue for organic production.

- ❖ *T. tritici* and *T. foetida* [formerly *T. laevis*] are good candidates for the RNQP status.
- ❖ *T. controversa* is not widely spread.
- ❖ *T. indica* is a quarantine disease (A1 list for EPPO and EAEU, Annex I/A1 for the EU) and not present in the EPPO region.

Pest/host/combinations recommended for listing as RNQPs

Agricultural species		
Beet seeds		
- None of the submitted pests qualified for the RNQP Status		
Cereal (including rice) seeds		
<i>Aphelenchoides besseyi</i>	<i>Oryza</i>	Seeds
<i>Claviceps purpurea</i>	<i>Avena nuda</i> , <i>Avena sativa</i> , <i>Avena strigosa</i> , <i>Hordeum vulgare</i> , <i>Phalaris canariensis</i> , <i>Secale cereale</i> , <i>Triticosecale</i> , <i>Triticum aestivum</i> , <i>Triticum durum</i> , <i>Triticum spelta</i>	Seeds
<i>Gibberella fujikuroi</i>	<i>Oryza</i>	Seeds
<i>Ustilago avenae</i>	<i>Avena sativa</i>	Seeds
<i>Ustilago hordei</i>	<i>Avena sativa</i> , <i>Hordeum vulgare</i>	Seeds
<i>Ustilago nuda</i>	<i>Hordeum vulgare</i>	Seeds
<i>Ustilago tritici</i>	<i>Triticum aestivum</i> , <i>Triticum durum</i>	Seeds
Oil and fibre plant seeds		
<i>Alternaria linicola</i>	<i>Linum usitatissimum</i>	Seeds
<i>Boeremia exigua</i> var. <i>linicola</i>	<i>Linum usitatissimum</i>	Seeds
<i>Botrytis cinerea</i>	<i>Linum usitatissimum</i> , <i>Helianthus annuus</i>	Seeds
<i>Colletotrichum lini</i>	<i>Linum usitatissimum</i>	Seeds
<i>Diaporthe caulivora</i>	<i>Glycine max</i>	Seeds
<i>Diaporthe phaseolorum</i> var. <i>sojae</i>	<i>Glycine max</i>	Seeds
<i>Fusarium</i> (anamorphic genus)	<i>Linum usitatissimum</i>	Seeds
<i>Plasmopara halstedii</i>	<i>Helianthus annuus</i>	Seeds
<i>Sclerotinia sclerotiorum</i>	<i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Helianthus annuus</i> , <i>Sinapis alba</i>	Seeds
Fodder plant seeds		
<i>Clavibacter michiganensis</i> subsp. <i>insidiosus</i>	<i>Medicago sativa</i>	Seeds
<i>Ditylenchus dipsaci</i>	<i>Medicago sativa</i>	Seeds
<i>Ditylenchus gigas</i>	<i>Vicia faba</i>	Seeds
Other (Tobacco)		
<i>Tomato spotted wilt tospovirus</i>	<i>Nicotiana tabacum</i>	Plants intended for planting, other than seeds, of which there shall be evidence that they are intended for sale to professional tobacco production

Vegetable species sector:



- It is recommended to reserve the listed RNQP status for pest-host combinations where a harmonized approach with the establishment of tolerances and official control programs is absolutely necessary.

-> Remark: a general ‘substantially free from requirement’ exists in the EU for vegetable plants.



Pest/host/combinations **recommended** for listing as RNQPs

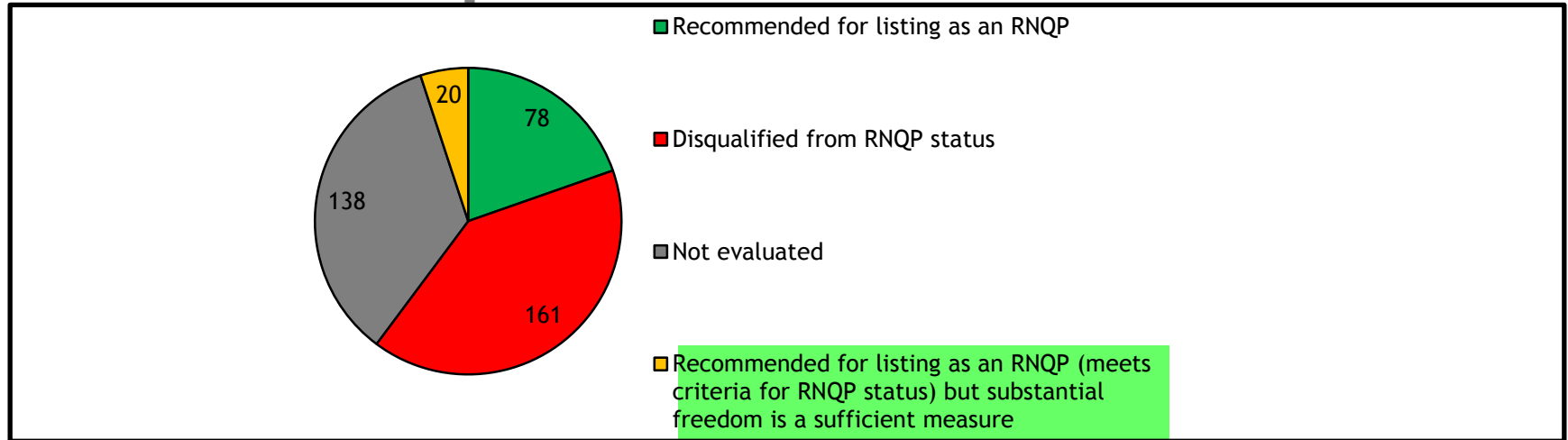
Vegetable		
Vegetable seeds		
<i>Acanthoscelides obtectus</i>	<i>Phaseolus coccineus</i> , <i>Phaseolus vulgaris</i>	Seeds
<i>Bruchus pisorum</i>	<i>Pisum sativum</i>	Seeds
<i>Bruchus rufimanus</i>	<i>Vicia faba</i>	Seeds
<i>Citrus exocortis viroid</i>	<i>Solanum lycopersicum</i>	Seeds
<i>Clavibacter michiganensis</i> subsp. <i>Michiganensis</i>	<i>Solanum lycopersicum</i>	Seeds
<i>Columnnea latent viroid</i>	<i>Solanum lycopersicum</i>	Seeds
<i>Ditylenchus dipsaci</i>	<i>Allium cepa</i> , <i>Allium cepa</i> <i>Aggregatum</i> types <i>Allium porrum</i>	Seeds
<i>Ditylenchus gigas</i>	<i>Vicia faba</i>	Seeds
<i>Potato spindle tuber viroid</i>	<i>Capsicum annuum</i> , <i>Solanum lycopersicum</i>	Seeds
<i>Tomato apical stunt viroid</i>	<i>Solanum lycopersicum</i>	Seeds
<i>Tomato chlorotic dwarf viroid</i>	<i>Solanum lycopersicum</i>	Seeds
<i>Xanthomonas axonopodis</i> pv. <i>Phaseoli</i>	<i>Phaseolus</i>	Seeds
<i>Xanthomonas euvesicatoria</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Seeds
<i>Xanthomonas fuscans</i> subsp. <i>Fuscans</i>	<i>Phaseolus</i>	Seeds
<i>Xanthomonas gardneri</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Seeds
<i>Xanthomonas perforans</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Seeds
<i>Xanthomonas vesicatoria</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Seeds

Pest/host/combinations recommended for listing as RNQPs

Vegetable plants		
<i>Botrytis allii</i> ^d	<i>Allium cepa</i> , <i>Allium cepa</i> <i>Aggregatum</i> types	Plants intended for planting
' <i>Candidatus Phytoplasma solani</i> ' ^d	Solanaceae	Plants intended for planting, other than seeds
<i>Citrus exocortis viroid</i>	<i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Clavibacter michiganensis</i> subsp. <i>Michiganensis</i>	<i>Solanum lycopersicum</i>	Plants intended for planting
<i>Columnnea latent viroid</i>	<i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Ditylenchus dipsaci</i>	<i>Allium cepa</i> , <i>Allium cepa</i> <i>Aggregatum</i> types, <i>Allium</i> <i>fistulosum</i> ^d , <i>Allium porrum</i> ^d , <i>Allium sativum</i> , <i>Allium</i> <i>schoenoprasum</i> ^d	Plants intended for planting
<i>Fusarium</i> (anamorphic genus)	<i>Asparagus officinalis</i>	Plants intended for planting
<i>Helicobasidium brebissonii</i>	<i>Asparagus officinalis</i>	Plants intended for planting
<i>Leek yellow stripe virus</i> ^d	<i>Allium porrum</i> , <i>Allium</i> <i>sativum</i>	Plants intended for planting
<i>Onion yellow dwarf virus</i>	<i>Allium cepa</i> <i>Aggregatum</i> types, <i>Allium sativum</i>	Plants intended for planting
<i>Potato spindle tuber viroid</i>	<i>Capsicum annuum</i> , <i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i> ^d	<i>Cucumis sativus</i> , <i>Cucurbita pepo</i>	Plants intended for planting
<i>Stromatinia cepivora</i>	<i>Allium cepa</i> , <i>Allium cepa</i> <i>Aggregatum</i> types, <i>Allium</i> <i>fistulosum</i> , <i>Allium porrum</i> , <i>Allium sativum</i>	Plants intended for planting
<i>Tomato apical stunt viroid</i>	<i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Tomato chlorotic dwarf viroid</i>	<i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Tomato spotted wilt tospovirus</i>	<i>Capsicum annuum</i> , <i>Lactuca sativa</i> , <i>Solanum</i> <i>lycopersicum</i> , <i>Solanum</i> <i>melongena</i>	Plants intended for planting, other than seeds
<i>Tomato yellow leaf curl virus</i>	<i>Solanum lycopersicum</i>	Plants intended for planting, other than seeds
<i>Verticillium dahliae</i>	<i>Cynara scolymus</i>	Plants intended for planting
<i>Xanthomonas euvesicatoria</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Plants intended for planting
<i>Xanthomonas gardneri</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Plants intended for planting
<i>Xanthomonas perforans</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Plants intended for planting
<i>Xanthomonas vesicatoria</i>	<i>Capsicum</i> , <i>Solanum</i> <i>lycopersicum</i>	Plants intended for planting

Highlighted: Recommended for a listing as an RNQP with only a requirement for absence of visual symptoms on the traded material;

Ornamental species sector:



- In the EU (Commission Directive 93/49/EEC), pests are listed under a general '*substantially free from*' requirement: see comment for vegetable plants;
- some pests may not pose an unacceptable risk to the ornamentals themselves but to food crops or trees of the same species grown on the same premises. Ornamentals may therefore pose an unacceptable risk to plants in another sector (e.g. 'Fruit' or 'Forestry reproductive material' Sectors).
- wide scope of the ornamental directive is not reflected in the current list

Pest/host/combinations recommended for listing as RNQPs

Ornamentals		
<i>Aculops fuchsiae</i>	<i>Fuchsia</i>	Plants intended for planting, other than seeds
<i>Arabis mosaic virus</i> ^a	<i>Rosa</i>	Plants intended for planting
<i>Bemisia tabaci</i> ^b	<i>Euphorbia pulcherrima</i> , <i>Hibiscus rosa-sinensis</i>	Plants intended for planting, other than seeds
'Candidatus Phytoplasma mali'	<i>Malus</i>	Plants intended for planting, other than seeds
'Candidatus Phytoplasma prunorum'	<i>Prunus</i>	Plants intended for planting, other than seeds
'Candidatus Phytoplasma pyri'	<i>Pyrus</i>	Plants intended for planting, other than seeds
'Candidatus Phytoplasma solani'	<i>Lavandula</i> , <i>Solanaceae</i> ^a	Plants intended for planting, other than seeds
<i>Chrysanthemum stunt viroid</i> ^a	<i>Chrysanthemum</i>	Plants intended for planting, other than seeds
<i>Citrus exocortis viroid</i> ^a	<i>Citrus</i>	Plants intended for planting
<i>Citrus tristeza virus</i> (European isolates) ^a	<i>Citrus</i> , <i>Citrus hybrids</i> , <i>Fortunella</i> , <i>Fortunella hybrids</i> , <i>Poncirus</i> , <i>Poncirus hybrids</i>	Plants intended for planting, other than seeds
<i>Cryphonectria parasitica</i>	<i>Castanea</i>	Plants intended for planting, other than seeds
<i>Ditylenchus destructor</i> ^a	<i>Crocus</i>	Flower bulbs and corms intended for planting
	<i>Gladiolus</i> , <i>Hyacinthus</i> , <i>Iris</i> , <i>Tulipa</i>	Miniature cultivars and their hybrids intended for planting
<i>Ditylenchus dipsaci</i>	<i>Allium</i>	Plants for planting (including seeds and bulbs)
	<i>Camassia</i> , <i>Chionodoxa</i> , <i>Crocus flavus</i> Weston 'Golden Yellow' ^a , <i>Galanthus</i> , <i>Galtonia candicans</i> , <i>Hyacinthus</i> ^a , <i>Hymenocallis</i> , <i>Muscari</i> , <i>Narcissus</i> ^a , <i>Ornithogalum</i> , <i>Puschkinia</i> , <i>Scilla</i> , <i>Sternbergia</i> , <i>Tulipa</i> ^a	Bulbs and corms intended for planting
<i>Dothistroma pini</i>	<i>Pinus</i>	Plants intended for planting, other than seeds
<i>Dothistroma septosporum</i>	<i>Pinus</i>	Plants intended for planting, other than seeds
<i>Erwinia amylovora</i>	<i>Amelanchier</i> , <i>Chaenomeles</i> , <i>Cotoneaster</i> , <i>Crataegus</i> , <i>Cydonia</i> ^a , <i>Eriobotrya</i> , <i>Malus</i> ^a , <i>Mespilus</i> , <i>Photinia davidiana</i> , <i>Pyracantha</i> , <i>Pyrus</i> ^a , <i>Sorbus</i>	Plants intended for planting, other than seeds
<i>Impatiens necrotic spot tospovirus</i> ^a	<i>Begonia</i> , <i>Impatiens</i> New <i>Guinea hybrids</i>	Plants intended for planting, other than seeds
<i>Lecanosticta acicola</i>	<i>Pinus</i>	Plants intended for planting, other than seeds

<i>Meloidogyne</i> ^a	<i>Rosa</i>	Plants intended for planting, other than seeds
<i>Opogona sacchari</i>	Arecaceae (Palmae), <i>Beaucarnea</i> , <i>Bougainvillea</i> , <i>Crassula</i> , <i>Crinum</i> , <i>Dracaena</i> , <i>Ficus</i> , <i>Musa</i> , <i>Pachira</i> , <i>Sansevieria</i> and <i>Yucca</i>	Plants intended for planting, other than seeds
<i>Phytophthora</i> ^a	<i>Begonia x hiemalis</i> , <i>Citrus</i> , <i>Euphorbia pulcherrima</i> , <i>Pyrus</i>	Plants intended for planting
<i>Phytophthora fragariae</i> ^a	<i>Fragaria</i>	Plants intended for planting, other than seeds
<i>Plasmopara halstedii</i>	<i>Helianthus annuus</i>	Seeds intended for planting
<i>Plenodomus tracheiphilus</i> ^a	<i>Citrus</i> , <i>Citrus hybrids</i> , <i>Fortunella</i> , <i>Fortunella</i> <i>hybrids</i> , <i>Poncirus</i> , <i>Poncirus hybrids</i>	Plants intended for planting, other than seeds
Potato spindle tuber viroid	<i>Capsicum annuum</i>	Plants intended for planting
<i>Pratylenchus</i> ^a	<i>Rosa</i>	Plants intended for planting
<i>Pratylenchus penetrans</i> ^a	<i>Lilium</i> , <i>Narcissus</i>	Plants intended for planting
<i>Pseudomonas syringae</i> pv. <i>Persicae</i>	<i>Prunus persica</i> , <i>Prunus</i> <i>salicina</i>	Plants intended for planting, other than seeds
<i>Puccinia horiana</i> ^a	<i>Chrysanthemum</i>	Plants intended for planting, other than seeds
<i>Rhynchophorus ferrugineus</i>	<i>Areca catechu</i> , <i>Arenga</i> <i>pinnata</i> , <i>Bismarckia</i> , <i>Borassus flabellifer</i> , <i>Brahea armata</i> , <i>Brahea</i> <i>edulis</i> , <i>Butia capitata</i> , <i>Calamus merrillii</i> , <i>Caryota</i> <i>maxima</i> , <i>Caryota cumingii</i> , <i>Chamaerops humilis</i> , <i>Cocos nucifera</i> , <i>Copernicia</i> , <i>Corypha utan</i> , <i>Elaeis guineensis</i> , <i>Howea</i> <i>forsteriana</i> , <i>Jubea</i> <i>chilensis</i> , <i>Livistona</i> <i>australis</i> , <i>Livistona decora</i> , <i>Livistona rotundifolia</i> ,	Plants intended for planting, other than seeds, having a diameter of the stem at the base of over 5 cm

Highlighted: Recommended for a listing as an RNQP with only a requirement for absence of visual symptoms on the traded material;

Other (perfume use):

Others (perfume use)		
<i>'Candidatus Phytoplasma solani'</i>	<i>Lavandula</i>	Plants intended for planting, other than seeds



3 – Next steps at EPPO level

- 2018-06: Report on the outputs to the **EPPO Working Party on Phytosanitary Regulation** seeking endorsement of the recommendations;
- 2018-09: Report on the outputs to the **EPPO Council** seeking endorsement of the recommendations;
- 2018-11: Publication of a **second article in the EPPO Bulletin** (list of recommended RNQPs, experience on thresholds and RMMs);
- 2018-?: Building of an **internet page** to share the summary sheets and the final recommendations;

Conclusion

- 300 pest/host/intended use combinations recommended for listing as RNQPs from the approximately 1400 submitted for evaluation;
- Experts from the SEWGs considered that evaluating additional pests should be a priority for the future (EPPO A2 pests, pests from EPPO PM 4 Standards, pests listed by ISTA, EPPO Alert pests etc.);

