AUSTRALIA GROUP

LIST OF PLANT PATHOGENS FOR EXPORT CONTROL

CORE LIST

30 November 2022

Bacteria

PB1.	Xanthomonas albilineans
PB2.	Xanthomonas citri pv. citri (Xanthomonas axonopodis pv. citri, Xanthomonas campestris pv. citri)
PB3.	Xanthomonas oryzae pv. oryzae (Pseudomonas campestris pv. oryzae)
PB4.	Clavibacter michiganensis subsp. sepedonicus (Clavibacter sepedonicus, Clavibacter michiganense subsp. sepedonicus, Corynebacterium michiganensis subsp. sepedonicum, Corynebacterium sepedonicum)
PB5.	Ralstonia solanacearum, race 3, biovar 2

Fungi

PF1.	Colletotrichum kahawae (Colletotrichum coffeanum var. virulans)
PF2.	Bipolaris oryzae (Cochliobolus miyabeanus, Helminthosporium oryzae)
PF3.	Pseudocercospora ulei (Microcyclus ulei, Dothidella ulei)
PF4.	Puccinia graminis ssp. graminis var. graminis / Puccinia graminis ssp. graminis var. stakmanii (Puccinia graminis [syn. Puccinia graminis f. sp. tritici])
PF5.	Puccinia striiformis (syn. Puccinia glumarum)
PF6.	Magnaporthe oryzae (Pyricularia oryzae)
PF7.	Peronosclerospora philippinensis (Peronosclerospora sacchari)
PF8.	Sclerophthora rayssiae var. zeae
PF9.	Synchytrium endobioticum
PF10.	Tilletia indica
PF11.	Thecaphora solani

Viruses

PV1. Andean potato latent virus (Potato Andean latent tymovirus)

PV2. Potato spindle tuber viroid

Genetic Elements and Genetically-modified Organisms:

Any genetically-modified organism1 which contains, or genetic element2 that codes for:

1. any gene or genes specific to any listed virus; or

2. any gene or genes specific to any listed bacterium or fungus, and which

    a. in itself or through its transcribed or translated products represents a significant hazard to human, animal or plant health, or

    b. could endow or enhance pathogenicity3.

Technical note:

1. Genetically-modified organisms include organisms in which the nucleic acid sequences have been created or altered by deliberate molecular manipulation.

2. Genetic elements include, inter alia: chromosomes, genomes, plasmids, transposons, vectors, and inactivated organisms containing recoverable nucleic acid fragments, whether genetically modified or unmodified, or chemically synthesized in whole or in part. For the purposes of the genetic elements control, nucleic acids from an inactivated organism, virus, or sample are considered 'recoverable' if the inactivation and preparation of the material is intended or known to facilitate isolation, purification, amplification, detection, or identification of nucleic acids.

3. 'Endow or enhance pathogenicity' is defined as when the insertion or integration of the nucleic acid sequence or sequences is/are likely to enable or increase a recipient organism's ability to be used to deliberately cause disease or death. This might include alterations to, inter alia: virulence, transmissibility, stability, route of infection, host range, reproducibility, ability to evade or suppress host immunity, resistance to countermeasures, or detectability.

Items for Inclusion in Awareness-raising Guidelines

Bacteria

PWB1. Xylella fastidiosa

Fungi

PWF1. Phoma tracheiphila (Deuterophoma tracheiphila)

PWF2. Moniliophthora roreri (Monilia roreri)

Viruses

PWV1. Banana bunchy top virus

Genetic Elements and Genetically-modified Organisms:

PWG1 Genetic elements that contain nucleic acid sequences associated with the pathogenicity of any of the microorganisms in the Awareness-raising Guidelines.

PWG2 Genetically-modified organisms that contain nucleic acid sequences associated with the pathogenicity of any of the microorganisms in the Awareness-raising Guidelines.

Technical note:

Genetically-modified organisms includes organisms in which the genetic material (nucleic acid sequences) has been altered in a way that does not occur naturally by mating and/or natural recombination, and encompasses those produced artificially in whole or in part.

Genetic elements include inter alia chromosomes, genomes, plasmids, transposons, and vectors whether genetically modified or unmodified, or chemically synthesized in whole or in part.

Nucleic acid sequences associated with the pathogenicity of any of the micro-organisms in the list means any sequence specific to the relevant listed micro-organism:

- that in itself or through its transcribed or translated products represents a significant hazard to human, animal or plant health; or

- that is known to enhance the ability of a listed micro-organism, or any other organism into which it may be inserted or otherwise integrated, to cause serious harm to human, animal or plant health.