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Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

Consolidation of regulated pests for Canada

Introduction

The purpose of the Consolidation of Regulated Pests for Canada (Consolidation) presented below is to make available a listing of regulated pests for Canada which complies with the International Standards for Phytosanitary Measures 19 – *Guidelines on lists of regulated pests* (ISPM 19)¹. The Consolidation will be updated as soon as feasible upon the identification of modification needs (e.g., addition or deletion of pests).

To account for ISPM 19, the main structure of the Consolidation is based on the categories of regulated pests as defined in the International Plant Protection Convention:

“Quarantine pest” - a pest of potential economic importance to the area endangered thereby and not yet present there, or present but not widely distributed and being officially controlled; and

“Regulated non-quarantine pest” - a non-quarantine pest whose presence in plants for planting affects the intended use of those plants with an economically unacceptable impact and which is therefore regulated within the territory of the importing contracting party.

Quarantine Pests for Canada

- Quarantine pests for Canada are listed in the *List of pests regulated by Canada*:
<http://www.inspection.gc.ca/english/plaveg/protect/listpespare.shtml>

Association with regulated article(s): The regulated articles for the listed pests are contained in the directives referenced in the *List of pests regulated by Canada*.

Plant Protection Policy Directives, Risk Management Documents (RMD) and Acts/Regulations may be accessed from the Canadian Food Inspection Agency (CFIA) Web site:

- Directives: <http://www.inspection.gc.ca/english/plaveg/protect/dir/directe.shtml>
- RMDs: <http://www.inspection.gc.ca/english/plaveg/protect/rmd/rmde.shtml>
- Acts/Regulations: <http://www.inspection.gc.ca/english/reg/rege.shtml>

¹ Canada’s National Plant Protection Organization publishes [an uncategorized subset of regulated pests](#). In comparison, the Consolidation contains the information required by ISPM 19 and presents a more inclusive listing of regulated pests, including those pests regulated under the authorities of the Canadian *Plant Protection Act* (S.C. 1990, c. 22) and *Seeds Act* (1985, c. S-8).

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In addition, for convenience and reference only the CFIA's Automated Import Reference System (AIRS) specifies species and commodities that are regulated for these pests (<http://www.inspection.gc.ca/english/imp/airse.shtml>).

Regulated Non-Quarantine Pests for Canada

Association with regulated article(s): – References to the host commodities or other articles that are regulated for the listed pests are found in Plant Protection Policy Directives, inspection procedures, the *Seeds Regulations* and the *Weed Seeds Order*. In addition, for convenience and reference only the CFIA's Automated Import Reference System (AIRS) specifies species and commodities that are regulated for these pests (<http://www.inspection.gc.ca/english/imp/airse.shtml>).

A. Regulated Non-Quarantine Pests of Seed Potatoes

The regulated non-quarantine pests of seed potatoes listed below are under official control through the operation of the Canadian Seed Potato Certification program. The CFIA is responsible for the administration of this program through the authorities provided by the *Seeds Act* and *Seeds Regulations*.

The phytosanitary requirements associated to these regulated non-quarantine pests of potatoes can be found in sources such as:

- The *Seeds Act* and *Seeds Regulations*, and in particular Part II of these regulations which applies to seed potatoes that are sold or advertised for sale in Canada, imported into Canada or exported from Canada (<http://www.inspection.gc.ca/english/reg/rege.shtml>); and
- Plant Protection Policy Directives D-96-05, 97-08, D-97-11, D-98-01 (see <http://www.inspection.gc.ca/english/plaveg/protect/dir/directe.shtml>) and inspection procedures.

Part II of the *Seeds Regulations* establishes classes of seed potatoes with associated standards for the crop and the tubers. These standards include guidelines and tolerances for diseases which are specific to a pest or pest type, or which refer to symptoms that may be caused by a number of pests. The Nuclear Stock seed potato class is the highest quality class – as compared to the field generation classes (Pre-Elite, Elites I-IV, Foundation, Certified) – and as such are associated to more stringent disease standards.

For additional information on regulated pests of potatoes including contact information please visit the CFIA's potatoes Web site: <http://www.inspection.gc.ca/english/plaveg/potpom/potpome.shtml>.

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SCIENTIFIC NAME	SELECTED SYNONYMS	PEST TYPE
Potato spindle tuber viroid (PSTVd)		Viroid
Potato latent virus (PotLV)	Red la Soda Virus	Virus
Potato leafroll virus (PLRV)		Virus
Potato mop-top virus (PMTV)		Virus
Potato virus A (PVA)		Virus
Potato virus M (PVM)		Virus
Potato virus S (PVS)		Virus
Potato virus X (PVX)		Virus
Potato virus Y, strain Y ^N (PVY ^N)		Virus
Potato virus Y, strain Y ^{NTN} (PVY ^{NTN})		Virus
Potato virus Y, strain Y ^O (PVY ^O)		Virus
Potato virus Y, strain Y ^{Wilga} (PVY ^{Wilga} , PVY ^{N:O})		Virus
Tobacco rattle virus (TRV)		Virus
Potato purple top phytoplasma		Phytoplasma
Potato stolbur phytoplasma		Phytoplasma
Potato marginal flavescence phytoplasma		Phytoplasma
Potato witches' broom phytoplasma		Phytoplasma
<i>Clavibacter michiganensis</i> subsp. <i>Sepedonicus</i> (Spiekman & Kottoff) Davis <i>et al</i>)		Bacteria
<i>Dickeya</i> spp.	<i>Erwinia chrysanthemi</i> (Burkholder)	Bacteria
<i>Pectobacterium atrosepticum</i> (van Hall 1902) Gardan, Gouy, Christen, & Samson 2003		Bacteria
<i>Pectobacterium</i>		Bacteria

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<i>carotovorum</i> subsp. <i>Carotovorum</i> (Jones 1901) Waldee 1945 emend. Hauben, Moore, Vauterin, Steenackers, Mergaert, Verdonck & Swings 1999		
<i>Streptomyces scabies</i> (ex Thaxter 1891) Lambert and Loria 1989		Bacteria
<i>Fusarium</i> spp.		Fungi
<i>Helminthosporium solani</i> (Durieu & Mont.)		Fungi
<i>Oospora pustulans</i> (Owen et Wakef)	<i>Polyscytalum pustulans</i> (Owens & Wakef.) Ellis	Fungi
<i>Phytophthora infestans</i> (Mont.) de Bary		Fungi
<i>Rhizoctonia solani</i> (Kuhn)		Fungi
<i>Spongospora subterranea</i> (Wallr.) Lagerh.		Fungi
<i>Verticillium albo-atrum</i> Reinke & Berthold		Fungi
<i>Verticillium dahliae</i> Kleb.		Fungi

B. Regulated Non-Quarantine Pests (RNQP) of Seed

i. RNQP Plants of Seed

The seeds of the species of plants set out in the class categories specified in the Schedule of the *Weed Seeds Order*, are deemed to be weed seeds for the purpose of establishing grades under the *Seeds Act*. The *Weed Seeds Order* is available at:

<https://www.inspection.gc.ca/about-cfia/acts-and-regulations/list-of-acts-and-regulations/eng/1419029096537/1419029097256>.

Note: Tolerance is zero for Class 1 Prohibited Noxious Weed Seeds listed in the *Weed Seeds Order*. Some of these weeds are also listed in the [List of pests regulated by Canada](#) and are quarantine pests for Canada.

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ii. RNQP Fungi of Seed, as referenced in the *Seeds Regulations*, Part I.

SCIENTIFIC NAME	COMMON NAME OF REGULATED ARTICLE	SEED HOST	TABLE IN <i>SEEDS REGULATIONS</i> WHERE REFERENCED
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot body	Wheat	I, II, III, IX, XI, XII, XIII, XIV
<i>Ustilago nuda</i> (C.N. Jensen) Rostr.	Loose smut	Barley	II, III
<i>Sclerotinia sclerotiorum</i> (Lib.) de Bary	Sclerotia body	Sunflower	V, VI, VII, VIII, IX