



PLANT HEALTH DIVISION PLANT PRODUCTS DIRECTORATE CANADIAN FOOD INSPECTION AGENCY 59 Camelot Drive Ottawa, Ontario K1A 0Y9 (TEL: 613-225-2342; FAX: 613-228-6602)	D-94-26
	(EFFECTIVE DATE) April 7, 2008 (1st Revision)
TITLE: Plant protection import requirements for edible roots for consumption or processing	

SUBJECT:

This directive describes phytosanitary import requirements for edible roots from all countries, for consumption and processing.

Requirements for root crops for propagation as well as for ginseng and potatoes are not included in this directive.

This directive has been revised to update the review date, as well as minor administrative changes. The content of this directive has not changed.

Table of Contents

Review 3

Endorsement 3

Amendment Record 3

Distribution 3

Introduction 3

 Scope 3

 Definitions, Abbreviations and Acronyms 4

1.0 General Requirements 4

 1.1 Legislative Authority 4

 1.2 Fees 5

 1.3 Regulated Pests 5

 1.4 Regulated Commodities 5

 1.5 Commodities Exempt 5

 1.6 Regulated Areas 5

2.0 Specific Requirements 6

 2.1 Import Requirements 6

 2.2 Non-Compliance 6

3.0 Appendices 6

 Appendix 1 - Edible Root Import requirements 7

 Appendix 2 - Distribution of Golden Nematode in the United States 8

Review

This directive will be reviewed every 2 years unless otherwise needed. The next review date for this directive is April 7, 2010. The contact for this directive is Joanne Rousson. For further information or clarification, please contact the Horticulture Section.

Endorsement

Approved by:

<hr/> <p>Director Plant Health Division</p>

Amendment Record

Amendments of this directive will be dated and distributed as outlined in the distribution below.

Distribution

1. Directive mail list (Regions, PHRA, USDA)
2. Provincial Government, Industry (via Regions)
3. National Industry Organizations (determined by Author)
4. Internet

Introduction

Edible roots and other plant parts grown below ground are regulated by the Plant Health Division of the Canadian Food Inspection Agency (CFIA) to minimize the chances of introducing plant pests associated with soil and related matter which may be adhering to roots. Root crops from off-continent sources must be completely free of soil because of the large number of plant pests associated with soil. This condition also applies to rootcrops from specified areas of New York State because of the presence of golden nematode (*Heterodera rostochiensis*) in those areas.

Scope This directive is intended for use by Canadian importers wishing to import root crops to Canada. This directive is also intended for the use of CFIA inspection staff, the Canada Border Services Agency, producers, exporters and the National Plant Protection Organizations (NPPOs) of exporting countries to provide information as to the requirements for importation of root crops to Canada.

This directive supersedes D-94-26 (Original) and all previous documents on this subject, including Permit Letter 7, entitled "Notice to the Importer - Plant Health Requirements: Importation of Edible Roots" (12/11/87).

Definitions, Abbreviations and Acronyms

CFIA	Canadian Food Inspection Agency
NPPO	National Plant Protection Organization
Permit to Import	A Permit to Import a thing issued by the Minister pursuant to subsection 32(1) or 43 (1) of the <i>Plant Protection Regulations</i> .
Phytosanitary Certificate	A document, issued by the government of the country of origin of a thing, that attests to the phytosanitary status of the thing and that: (a) contains the information required by the Model Phytosanitary Certificate set out in the Annex to the International Plant Protection Convention approved by the Food and Agriculture Organization of the United Nations Conference at its Twentieth Session in November 1979, as amended from time to time, (b) is issued within 14 days before the thing is shipped to Canada, and (c) is signed by an official of the country of origin who has been authorized by the government of that country to sign such certificates.
Soil and related matter	Soil is the loose surface of the earth in which plants grow, in most cases consisting of disintegrated rock with an admixture of organic matter. Related matter is clay, silt, sand, soil minerals, humus, compost, earthworm castings, muck, plant litter and debris, either individually or in combination.

1.0 General Requirements

- 1.1 Legislative Authority
The Plant Protection Act, S.C. 1990, c. 22
The Plant Protection Regulations, SOR/95-212
Canadian Food Inspection Agency Fees Notice, Canada Gazette, Part I (05/13/2000)

1.2 Fees

The CFIA is charging fees in accordance with the *Canadian Food Inspection Agency Fees Notice*. For information regarding fees associated with imported product, please contact the Import Service Centres (ISC) at the following phone numbers: Eastern ISC 1-877-493-0468; Central ISC 1-800-835-4486; Western ISC 1-888-732-6222. Anyone requiring other information regarding fees may contact any local CFIA office or visit our Fees Notice Web Site :

<http://www.inspection.gc.ca/english/reg/cfiaacia/feesfrais/feesfraise.shtml>

1.3 Regulated Pests

There are many pests associated with soil. Some of these are:

Apple maggot	<i>Rhagoletis pomonella</i>
Columbia root-knot nematode	<i>Meloidogyne chitwoodi</i>
Golden nematode	<i>Globodera rostochiensis</i>
Japanese beetle	<i>Popillia japonica</i>
Potato cyst nematode	<i>Globodera pallida</i>
Potato wart disease	<i>Synchytrium endobioticum</i>
Soybean cyst nematode	<i>Heterodera glycines</i>

1.4 Regulated Commodities

Edible roots are defined, for the purposes of this directive, as roots and other plant parts (e.g. tuber) grown below ground for consumption or processing, which are in a raw or unprocessed state. Edible roots include roots from temperate climate zones (e.g. sugar beets, carrots, rutabagas, turnips, beets, parsnips, mangels, radishes, horseradish, and chicory root) as well as from tropical climate zones (e.g. cassava, taro, ginger root, and yam). Examples of other below-ground plant parts include truffles, mushrooms, onions, garlic, shallots, and peanuts.

1.5 Commodities Exempt

The requirements for ginseng and potatoes are described in other directives.

1.6 Regulated Areas

All countries.

2.0 Specific Requirements

2.1 Import Requirements

Roots not completely cleaned of soil may enter Canada from the continental US, except from specified areas of New York State, without a Permit to Import. A Phytosanitary Certificate with an additional declaration for soil pests is required, however, from certain states of the continental US. From specified areas of New York State, off-continent US states and all other countries, roots not completely cleaned of soil are prohibited.

Roots completely cleaned of soil may enter Canada from the continental US, with the exception of certain areas of New York State, without a Permit to Import or a Phytosanitary Certificate. From specified areas of New York State, off-continent US states and all other countries, a Permit to Import is required.

2.2 Non-Compliance

Consignments must meet all requirements when they reach first point of arrival in Canada. Consignments will be refused entry and returned to origin or disposed of if they do not meet requirements or are found to be infested with any pests of quarantine concern. Those infested with pests may be ordered treated prior to disposal in order to prevent pest spread. The importer is responsible for all costs relating to treatment, disposal or removal

3.0 Appendices

- Appendix 1 - Edible Root Import requirements
- Appendix 2 - Distribution of Golden Nematode in the United States

APPENDIX 1

Import Requirements for Edible Roots for Consumption or Processing

Commodity Condition	Country of Origin	Permit To Import	Phytosanitary Certificate	Additional Declarations and Requirements
Roots not cleaned in country of origin	US: From off-continent US ¹ , areas of New York State regulated for golden nematode (see Appendix 2), and ALL OTHER COUNTRIES	----- Prohibited Entry Into Canada -----		
	US: Continental US except areas of New York State regulated for golden nematode	Not required	Required*	* An additional declaration pertaining to soil pests is required on the phytosanitary certificate for roots originating in states that have the regulated pests (please contact your regional office for details).
Roots cleaned in country of origin	US: From off-continent US ¹ , areas of New York State regulated for golden nematode (see Appendix 1) and ALL OTHER COUNTRIES	Required	Not required	Must be free of soil and plant debris and transported in new clean containers
	US: Continental US except areas of New York state regulated for golden nematode (see Appendix 2)	Not required	Not required	Must be free of soil and plant debris and transported in new clean containers

1. Including the state of Hawaii, and territories of Puerto Rico, Virgin Islands of the US

APPENDIX 2

COUNTIES IN THE STATE OF NEW YORK REGULATED FOR GOLDEN NEMATODE
(*Globodera rostochiensis*)

- Cayuga County (township of Montezuma only)
- Genesee County (townships of Elba and Byron only)
- Livingston County (townships of Avon, Caledonia, Geneseo, Groveland, Leicester, Lima, Livonia, Mount Morris, York and West Sparta only)
- Nassau County
- Orleans County (townships of Barre and Clarendon only)
- Seneca County (Tyre township only)
- Suffolk County
- Steuben County (townships of Conocton, Dansville, Prattsburg and Wheeler only)
- Wayne County (Savannah township only)