

Phytosanitary requirements for potatoes – a quick reference guide

Summary of key phytosanitary requirements for consumption or planting – to be used in conjunction with the MAF ICPRs or import permits (MAF ICPRs and import permits are the definitive source of phytosanitary information).

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
American Samoa	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Argentina	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Must be free from soil.
Australia			Yes				Yes	
Brunei	Yes	Yes	No	Permit number to be recorded on phytosanitary certificate.	Yes	Yes	No	Permit number must be recorded on the phytosanitary certificate. Treatment: fumigation with methyl bromide and immersion in either formaldehyde or sodium hypochlorite. Refer ICPR.
Canada			Yes				Yes	
Chile	No	Yes	No		No	Yes		Must be resistant to late blight. " <i>Globodera rostochiensis</i> does not occur in the region of origin" " <i>Corynebacterium sepedonicum</i> does not occur in the country of origin". Must be free of compost and soil.
China			Yes				Yes	
Colombia			Unknown	Unknown			Unknown	
Cook Islands	No	Yes	No	"Free from <i>Globodera</i> spp."	Yes	Yes	No	"Free from <i>Globodera</i> spp."
Egypt			Unknown	Unknown	Yes	Yes		See attached summary of requirements and ICPR.
European Union			Yes ¹				Yes	

¹ For several years an annually renewable derogation was in place but this has expired

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
Fiji	Yes	Yes	No	Must be free from soil, rots, diseases and other foreign matter. "Grown in an area entirely free from <i>Globodera rostochiensis</i> (Golden nematode) and <i>Synchytrium endobioticum</i> (Potato wart)".	Yes	Yes	No	Refer import permit.
French Polynesia	No	Yes	No	For consumption only. Tubers non-germinated, free from soil, methyl bromide fumigated before shipment at 30 g/m ³ for 2 hours, and treated to inhibit germination. Additional declaration: "Free from <i>Corynebacterium sepedonicum</i> , <i>Leptinotarsa decemlineata</i> , <i>Globodera pallida</i> and <i>Globodera rostochiensis</i> ".	Yes	Yes	No	May be prohibited, but the requirement for an import permit will govern this. New requirements for fresh potatoes may indicate that new requirements are also in place for seed potatoes.
Hong Kong	No	No	No		Yes	Yes	No	Refer import permit.
India	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Indonesia	No	Yes	No		Yes ²	Yes	No	Refer import permit.
Israel	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Japan			Yes				Yes	
Kenya			Yes				Yes	
Korea			Yes				Yes	
Malaysia	No	No	No				Yes	
Mauritius	Yes	Yes	No	"The Oriental fruit fly (<i>Bactrocera (Dacus) dorsalis</i>) does not occur in New Zealand, and the consignment is free from San Jose scale (<i>Quadraspidiotus perniciosus</i>), the apple maggot (<i>Rhagoletis pomonella</i>), the cherry fruit fly (<i>Rhagoletis cerasi</i>), the Mexican fruit fly (<i>Anastrepha ludens</i>) or <i>Anastrepha fracterculus</i> and the West Indian fruit fly (<i>Anastrepha mombinpraeoptans</i>).	Yes	Yes	No	Refer import permit.

² Import permit may not specify phytosanitary import requirements. These should be obtained from a Plant Quarantine Station in Indonesia

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
Mexico	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
New Caledonia	Yes	Yes	No	Consumption only. Tubers must be free from soil, not germinated on arrival. "Tubers are from areas free from <i>Corynebacterium sepedonicum</i> , <i>Ditylenchus destructor</i> , <i>Globodera rostochiensis</i> , <i>G. pallida</i> and <i>Synchytrium endobioticum</i> ". "New Zealand is free from <i>Bactrocera cucurbitae</i> , <i>B. dorsalis</i> , and <i>Ceratitidis capitata</i> " or an approved treatment.	Yes	Yes	No	Bulbs must be in vegetative state. Must be free of soil, roots, stems and leaves. "Bulbs are free from nematode types <i>Ditylenchus</i> spp., <i>Pratylenchus</i> spp. and <i>Xiphinema</i> spp." or have undergone a nematicide treatment (fumigation or soaking in hot water). Also refer import permit.
Niue	Yes	Yes	No		Yes	Yes	No	Refer import permit.
Norfolk Island			Prohibited		Yes	Yes	No	As stated on import permit. Must be free from soil. Packed in clean new bags or containers other than grass or straw. Must be fumigated to destroy all insect pests before dispatch with details of treatments recorded on the phytosanitary certificate in treatment section.
Norway	No	Yes	No	See attached summary of requirements and ICPR.			Yes	
Pakistan			Yes		Yes	Yes	No	Phytosanitary and quality requirements – see attached summary of requirements and ICPR.
Papua New Guinea	Yes	Yes	No	Phytosanitary import permit required. Phytosanitary certificate and additional declaration required. Product must be substantially clean, free of insects, diseases, weed seeds soil and other impurities. Product must be commercially packed, in new packages, which are clean and new. "Produce in the consignment was grown and packing in an area where harmful fruit flies of the family Tephritidae (Trypetidae) have not been recorded within the radius of 80	Yes	Yes	No	Refer import permit.

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
				kilometers for a period of at least 12 months before harvest."				
Peru	Yes	Yes	No	Refer import permit	Yes	Yes	No	Refer import permit.
Philippines	Yes	Yes	No	Refer import permit	Yes	Yes	No	Refer import permit.
Reunion Island	Yes	Yes	No	"Produced in areas free from <i>Anastrepha</i> spp., <i>Ceratitis</i> spp., <i>Dacus</i> spp., <i>Zygodacus</i> spp., Cherry fly (<i>Rhagoletis cerasi</i> and <i>R. pomonella</i>), Fruit free from San José scale, damaging insects (fruit fly, carpocapses, skin disorders, eggs, and larvae of miners), and more generally any live animal organism. Fruit free from bacterial attack or serious fungal attack." (Note: Carpocapses are Lepidoptera:Carposinidae e.g. <i>Carposina niponensis</i>)	Unknown	Unknown	Unknown	
Russia	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Saudi Arabia	No	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Seychelles	Yes	Yes	No	Must be substantially free from soil (<25 g per 600 unit sample). Import permit number and date of issue to be recorded on phytosanitary certificate. Additional Declaration: "Free from insect pests, nematodes, mites; free from serious fungal, bacterial and viral diseases". Treatment: Treated with an appropriate sprout inhibiting agency (active ingredient and rate of application to be noted on phytosanitary certificate).	Yes	Yes	No	Import permit number and date of issue to be recorded on phytosanitary certificate. Additional Declaration: "The plant materials are free from nematodes and in particular <i>Ditylenchus</i> spp. and <i>Pratylenchus</i> spp; free from San Jose scale (<i>Quadraspidiotus perniciosus</i>); free from virus diseases and rot caused by <i>Erwinia</i> and <i>Pseudomonas</i> species". Treatment: treated with an appropriate fungicide and insecticide (active ingredient and rate of application to be noted on phytosanitary certificate).

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
Singapore	No	No	No		No	Yes	No	
South Africa	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Sri Lanka	Yes	Yes	No	See attached summary of requirements and ICPR.	Yes	Yes	No	See attached summary of requirements and ICPR.
Taiwan	No	Yes	No	See attached summary of requirements and ICPR.			Yes	
Thailand	Yes	Yes	No	See attached summary of requirements and ICPR.	No	Yes	No	See attached summary of requirements and ICPR.
Tonga	Yes	Yes	No	Packaging associated with the consignment must be new and clean. Consignment must be free of soil. Treatments where applicable must be identified upon the phytosanitary certificate. "New Zealand Grown" or "... (name of produce exported) is reshipped from New Zealand, and has been bleared by NZMAF and meets the current import standards for the entry of fresh produce into New Zealand." "Grown in an area free from potato cyst nematode (<i>Globodera rostochiensis</i>) and black wart" and "potatoes inspected and found free from potato tuber moth" or "potatoes grown under the potato export certification scheme)."			Yes	
Turkey	No	Yes	No	Refer import permit	Yes	Yes	No	Refer import permit.
United Arab Emirates	No	Yes	No		Yes	Yes	No	Must be free of soil. Refer import permit.
USA	Yes (Guam only)	No	Prohibited except Guam	Refer import permit.			Yes	
Uruguay	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.
Vanuatu	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit.

Country	Fresh (includes tubers for processing)				Nursery stock (seed potato tubers intended for planting)			
	Import permit	Phyto. cert.	Prohibited	Additional declaration / conditions	Import permit	Phyto cert.	Prohibited	Additional declaration / conditions
Vietnam	No	Yes	No		Yes	Yes	No	Refer import permit.
Wallis and Futuna	No	Yes	No	"The production area is free from <i>Corynebacterium sepedonicum</i> and <i>Synchytrium endobioticum</i> , and from the nematodes <i>Heterodera</i> spp., <i>Ditylenchus destructor</i> , <i>Globodera pallida</i> , <i>G. rostochiensis</i> . The tubers are free from the Colorado beetle (<i>Leptinotarsa decemlineata</i>)" and "New Zealand is free from <i>Bactrocera dorsalis</i> , <i>Bactrocera tryoni</i> and <i>Bactrocera cucurbitae</i> ".				
Western Samoa	Yes	Yes	No	Refer import permit.	Yes	Yes	No	Refer import permit .

Egypt – Seed potatoes

Importation of seed potato tubers shall be based on technical approval for importation by the Egyptian Agricultural Crops Seeds Committee through an application submitted to the committee including quantities, varieties, grades and country of origin by the end of October of every year.

Imported seed potato must be accompanied by a phytosanitary certificate stating that they are good seeds as well as the variety, grade and size and must be free from virus diseases prohibited as per this ICPR.

Potato planting seed must meet the following conditions for the summer growing season:

- Imported varieties must be registered or recommended by the Egyptian Ministry of Agriculture or new varieties may be imported on approval.
- Potato planting seed must be either “Elite” or higher grade.
- Potato planting seed must be free from;
 - *Popillia japonica*
 - *Leptinotarsa decemlineata*
 - *Phthoraea operculella*
 - *Euzophera osseatella*
 - *Premnotypes spp*
 - *Epitrix cucumeris*
 - *Epitrix subcrinita*
 - *Ditylenchus destructor*
 - *Meloidogyne spp.*
 - Potato spindle tuber viroid
- Potato planting seed must be sourced from locations free from the following pests and diseases;
 - *Synchytrium endobioticum*
 - *Clavibacter michiganensis* subsp. *sepedonicus*
 - *Ralstonia solanacearum*
 - Potato yellow dwarf virus
 - Phytoplasmas
 - *Globodera spp.*
 - *Trichodorus spp.* and *Paratrichodorus spp.*

Infestations with the following diseases shall not exceed the stated percentage for the sampled lot.

- (a) Corky ring spot (tobacco rattle virus) – not exceed 0.1%
- (b) Potato leaf roll virus – not exceed 0.1% SE class and 0.3% for E class
- (c) Mop top virus – not exceed 0.1%
- (d) *Pectobacterium carotovorum* – not exceed 0.5%
- (e) *Pectobacterium atrosepticum* – not exceed 1%
- (f) *Phytophthora erythroseptica* – not exceed 0.1%
- (g) *Phytophthora infestans* – not exceed 0.1%

Infestations with the following diseases shall not exceed stated percentage with a combined total of 5% of the sampled lot

- (a) *Alternaria solani* 0.5%
- (b) *Fusarium* spp. 1%
- (c) *Verticillium* spp. 0.5%
- (d) *Phoma* spp. 0.5%
- (e) Internal brown spot / browning or black spot & vascular discolouration 0.5%
- (f) Hollow heart 0.5%
- (g) Skin necrosis 0.5%
- (h) Mechanical damage 3%

Infestation with the following diseases shall not exceed the stated percentages

- (a) Powdery scab – *Spongospora subterranea* - infection rate not to exceed 1% per sample and pimples to not exceed 10% total tuber area
- (b) Common scab – *Streptomyces scabies* - allowed to enter under Netherlands standards 1, 5
- (c) Black skin – *Rhizoctonia solani* - infection rate not to exceed 5% per sample and total area of tuber to not exceed 10%
- (d) Silver skin – *Helminthosporium solani* - infection rate not to exceed 5% per sample and total area of tuber not to exceed 10% of area and not cover eyes

Norway – Potatoes for consumption

"The tubers originate in a country known to be free from *Ralstonia solanacearum*"

or

"The tubers originate in areas under official supervision for *Ralstonia solanacearum*"

and where this pest is not known to occur

"The place of production has been inspected and found to be free from *Ralstonia solanacearum* during the last cycle of production"

and

"The tubers originate in a place of production where *Synchytrium endobioticum* has never occurred"

or

"In accordance with an EPPO recognised method, there is an official statement that "*Synchytrium endobioticum* no longer occurs in the place of production"

and

"The tubers originate in a country which is known to be free from *Clavibacter michiganensis* ssp. *sepedonicus*"

or

"The place of production has been inspected during the last cycle of vegetation and has been officially confirmed as being free from *Clavibacter michiganensis* ssp. *sepedonicus*"

or in the event of the pest being found at the place of production

"The premises have been placed under an official eradication programme and official follow up inspection for *Clavibacter michiganensis* ssp. *sepedonicus* has occurred"

and by means of an EPPO recognised method

"The tubers were grown in a field which has undergone official inspection at least once during the last four years for *Globodera pallida* and *Globodera rostochiensis*"

Pakistan – Potatoes as nursery stock

Phytosanitary import permit required. Phytosanitary certificate and additional declaration required. Potatoes must be resistant to *Synchytrium endobioticum* (potato wart), free from shoots, leaves, roots and soil.

Additional declarations:

"The crop from which the consignment is derived was not grown in the vicinity of an unhealthy potato crop and did not originate from a place where potato cyst nematode (*Globodera rostochiensis*), black wart (*Synchytrium endobioticum*), Colorado beetle (*Leptinotarsa decemlinea*), silver scurf (*Helminthosporium solani*), powdery scab (*Spongospora subterranea*), any other scab or potato spindle tuber viroid were prevalent. These pests and diseases were not recorded within a 2 km radius of where this potato crop was grown during the past 12 months"

Seed potatoes entering Pakistan must conform to the following seed and field standards but these are not required to be met for a phytosanitary certificate to be issued.

Factors	Seed Standard				
	Maximum permitted percentage*				
	Pre basic	Basic 1	Basic 2	Certified 1 st generation	Certified 2 nd generation
1 Other varieties	0	0	0.2	1.0	2.0
2 Soil, other material, bruised or malformed tubers	NA	0.5	1.0	2.0	3.0
3 Dry rot	0	0	0.5	1.0	2.0
4 Wet rot	0	0	0	0.2	0.5
5 Rots due to late or early blight	0	0	0	0	0
7 Rhizoctonia **	0	0.5	0.5	1.0	2.0
8 Common scab ***	0	0	0.5	1.0	2.0
9 Brown rot, ring rot	0	0	0	0	0
10 Wart	0	0	0	0	0
11 Powdery scab	0	0	0	0	0
12 Black leg	0	0	0	0.5	1.0
13 Tuber size **** Hill	NA	33/65mm	33/55mm	33/55mm	33/55mm
Plain	NA	30/45	30/45	30/45	30/45

* The maximum permitted percentage for all factors from 1-10 shall not exceed 5% for certified 1st generation seed and 10% for certified 2nd generation seed

** Rhizoctonia with more than 5% of the surface of the tubers covered by sclerotia will be rejected.

*** Common scab with more than 5% of the surface of the tubers covered by scab will be rejected.

**** Size may vary within 5% of the given standard.

Field Standards						
Factors	Stage	Maximum permitted percentage				
		Pre basic 1	Pre basic 2	Basic 1	Basic 2	Certified
Off types *	2 nd inspection	0	0	0.5	0.5	1.0
PVY	2 nd inspection	0	0	0.5	0.5	0.5
PLRV	2 nd inspection	0	0	0.5	0.5	2.0
PVX, PVA	2 nd inspection	0	0	0.5	0.5	2.0
Other viral diseases	2 nd inspection	0	0	0.5	0.5	2.0
Maximum total of all viruses	2 nd inspection	0	0	1.0	2.0	4.0
Fusarium wilt	2 nd inspection	0	0	0.2	0.5	1.0
Black leg	At any stage	0	0	0.5	0.5	1.0
Rhizoctonia, leaf curl and mild verticillium	At any stage	0	0	5.0	5.0	10.0
Severe verticillium (albo-atrum)	At 2 nd or 3 rd inspection	0	0	1.0	1.0	3.0
Brown and ring rot	At any stage	0	0	0	0	0
Early blight	At any stage	Only relevant if masking other diseases				
Late blight	At any stage	Haulms must be destroyed immediately				

* If off types do not exceed 2% rouging can be recommended during the first inspection.

Papua New Guinea – Fresh potatoes

Phytosanitary import permit required. Phytosanitary certificate and additional declaration required. Must be substantially free from soil and other foreign matter and packed in clean new bags/containers not previously used for any other purpose. Must be treated with a sprout inhibitor in New Zealand or undergo other treatment as directed by the Chief Quarantine Officer (Plants) on arrival in PNG.

Upon arrival in PNG, the consignment will be examined by a Quarantine officer at the port of entry prior to release.

The importer must ensure the PNG Agricultural Quarantine and Inspection Service that:

- (i) The tubers will be used only for processing and not for sale
- (ii) Ware potatoes and peelings will be disposed of by boiling or incineration

Additional declaration

"Produce in the consignment was grown and packed in an area where harmful fruit flies of the family Tephritidae (Trypetidae) have not been recorded within the radius of 80 kilometers for a period of at least 12 months before harvest"

"The potatoes in this consignment were grown on a property which has been confirmed free from Potato cyst nematode (*Globodera rostochiensis* and *G. pallida*) by MAF under the New Zealand Potato Export Certification Scheme"

"Potato wart (*Synchytrium endobioticum*), ring rot (*Clavibacter michiganense* pv. *sepedonicus*) and spindle tuber viroid are not known to occur in the properties where the potatoes in this consignment were grown"

Sri Lanka – Fresh potatoes & Nursery stock

Note: AD given below is indicative only, and is provided to guide exporters on conditions that Sri Lanka have previously required. Exporters should refer to conditions identified upon their current phytosanitary import permit

Seed tubers must conform to the description of the variety stated on the certification labels. The maximum allowable varietal impurities is 1% by number on visual examination. Labelling shall indicate: lot number, variety, class of seed; tuber size; date certified; seed treatment; weight; location of production and year/season of production.

Additional declarations:

"Ring rot (*Clavibacter michiganensis sepedonicus*) (*Corynebacterium sepedonicum*), Colorado beetle (*Leptinotarsa decemlineata*), Andean potato weevil (*Premnotrypes* spp.) and Potato spindle tuber viroid are not known to occur in New Zealand"

and

"The consignment was grown in areas free of potato cyst nematode (*Globodera rostochiensis* and *Globodera pallida*) and black wart (*Synchytrium endobioticum*)"

and

"Potato tuber eelworm (*Ditylenchus destructor*) has not been recorded on potato in New Zealand"

and

"Bacterial wilt (*Pseudomonas solanacearum*) is not known to occur in the area of production"

and

"The consignment was inspected and found free of pink rot (*Phytophthora erythroseptica*)"

and

"The consignment is within the permitted tolerance (1%) for the presence of black leg disease (*Erwinia carotovora*), black scurf (*Rhizoctonia solani*), rubbery rot (*Geotrichum candidum*) and common scab (*Streptomyces scabies*)"

and

"Tubers have been post-harvest tested and less than 6% of the tubers carry virus infections."

and

"The consignment was inspected and found free of gangrene caused by *Phoma exigua* and *Verticillium wilt*."

and

"Tubers with wet rots and dry rots (not caused by *Synchytrium endobioticum*, *Clavibacter michiganensis sepedonicus* (*Corynebacterium sepedonicum*), and *Pseudomonas solanacearum*) do not exceed 1% of the weight of the consignment"

and

"Tubers with external defects do not exceed 1% of the weight of the consignment"

and

"The consignment has been treated with a broad spectrum fungicide"

and

"The consignment is practically free of soil and foreign material"

Taiwan – Fresh Potatoes

Table potatoes must be produced in accordance with the "Export Phytosanitary Certification Programme for Table Potatoes to Taiwan" and "Export Compliance for the Provision of Potato Cyst Nematode and Potato Wart Additional Declarations".

Must be free from soil.

Additional declarations:

"The potatoes in this consignment conform to the requirements of the export certification compliance programme agreed between New Zealand MAF and BAPHIQ Taiwan and they have been thoroughly inspected and found free from *Phthorimaea operculella*, *Naupactus leucoloma*, *Ditylenchus dipsaci*, *Ditylenchus destructor*, *Frankliniella occidentalis* and *Rhizoglyphus echinopus*, or treated by appropriate quarantine treatments prior to export"

and

"The potatoes have been treated with chlorpropham or maleic hydrazide"

(Quarantine pests include *Phthorimaea operculella*, *Naupactus leucoloma*, *Ditylenchus dipsaci*, *Ditylenchus destructor*, and *Rhizoglyphus echinopus*. Refer to the ICPR for details.)

Thailand – Potatoes for consumption, potatoes for processing, and seed potatoes

Potatoes for consumption

Potatoes produced for export to Thailand must be entered into the MAFBNZ Export Compliance Programme for the Provision of Potato Cyst Nematode and Potato Wart Additional Declarations specified by MAF-BNZ <http://www.biosecurity.govt.nz/regs/exports/plants/compliance>

Land on which the potatoes are grown must be subjected to an official soil test pre-planting or pre-harvest for the presence of potato cyst nematodes. Only potatoes grown in fields free of potato cyst nematodes are permitted to export to Thailand.

Potatoes must be washed so as to be practically free of visible soil.

Potatoes must be free of quarantine pests, *Ditylenchus destructor* (potato rot nematode), *Globodera pallida* (pale cyst nematode), *Globodera rostochiensis* (golden nematode), *Meloidogyne fallax* (false Columbia root-knot nematode).

A full copy of Thailand's regulations can be found at <http://www.biosecurity.govt.nz/exports/plants/icpr-standards.htm>

Additional Declarations:

"The potatoes in this consignment were produced in New Zealand in accordance with the conditions governing entry of potatoes for consumption to Thailand and inspected and found to be free of quarantine pests".

and

"The potatoes in this consignment have been washed."

Note: The container number (for sea freight only) must be recorded on the Phytosanitary Certificate.

Potatoes for processing

Potatoes produced for export to Thailand must be entered into the MAFBNZ Export Compliance Programme for the Provision of Potato Cyst Nematode and Potato Wart Additional Declarations specified by MAF-BNZ <http://www.biosecurity.govt.nz/regs/exports/plants/compliance>

Land on which the potatoes are grown must be subjected to an official soil test pre-planting or pre-harvest for the presence of potato cyst nematode. Only potatoes grown in fields free of potato cyst nematode are permitted to export to Thailand.

Potatoes must be washed so as to be practically free of visible soil, or in case of unwashed potatoes, the tubers must be thoroughly brushed

so as to be practically free of soil. The weight of loose soil shall not exceed 100 g per 50 kg potatoes (equivalent to 0.2% soil by weight). For caked soil, potatoes which have more than 20% of the surface of the tuber with caked soil should not exceed 30 tubers in a 600 unit sample (equivalent to 5%). In addition, the potatoes must be treated with a sprout inhibitor.

Potatoes must be free of quarantine pests, *Ditylenchus destructor* (potato rot nematode), *Globodera pallida* (pale cyst nematode), *Globodera rostochiensis* (golden nematode), *Meloidogyne fallax* (false Columbia root-knot nematode).

A full copy of Thailand's regulations can be found at <http://www.biosecurity.govt.nz/exports/plants/icpr-standards.htm>

Additional Declarations:

"The potatoes in this consignment were produced in New Zealand in accordance with the conditions governing entry of potatoes for processing to Thailand and inspected and found to be free of quarantine pests".

and either

"The potatoes in this consignment have been washed."

or

"The potatoes in this consignment were treated with a sprout inhibitor."

Note: The container number (for sea freight only) must be recorded on the Phytosanitary Certificate.

Seed potatoes

Seed potatoes from New Zealand must be certified in accordance with the requirements of the New Zealand Seed Potato Certification Authority and the seed potato certification programme.

Potatoes produced for export to Thailand must be entered into the Export Compliance Programme for the Provision of Potato Cyst Nematode and Potato Wart Additional Declarations specified by MAF-BNZ (<http://www.biosecurity.govt.nz/regs/exports/plants/compliance>)

Land on which the potatoes are grown must be subjected to an official soil test pre-planting or pre-harvest to determine freedom from potato cyst nematodes and other nematodes of quarantine significance to Thailand listed below.

The tolerance level for powdery scab, *Spongospora subterranea*, should not exceed 2% of the tubers with a detectable level of powdery scab. A detectable level is five lesions or more per tuber.

The tolerance level for skin spot, *Polyscytalum pustulans*, should not exceed 2% of the tubers with a detectable level of skin spot. A detectable level is five lesions or more per tuber.

Seed potatoes shall be grown in potato fields which are visually inspected for, and found free from quarantine viruses during the growing season according to requirements specified in the New Zealand Seed Potato Certification Scheme.

The threshold level for the total of all viruses other than viruses of quarantine significance shall not exceed 0.1%.

In addition to visual inspection, seed potatoes shall be subjected to laboratory analysis by a MAF-approved laboratory for the percentage of Potato virus Y (PVY) and Potato leaf roll virus (PLRV) infection. The tolerance level for PVY and PLRV infection in potato tubers of identified fields should not exceed 4%. See the copy of Thailand's regulations at <http://www.biosecurity.govt.nz/exports/plants/icpr-standards.htm> for sampling and testing requirements.

Potato tubers shall be practically free of soil. The weight of loose soil shall not exceed 100 g per 50 kg seed potatoes (equivalent to 0.2% soil by weight). For caked soil, seed potatoes which have more than 20% of the surface of the tuber with caked soil should not exceed 30 tubers in a 600 unit sample (equivalent to 5%).

Seed potatoes shall be packaged in bags that contain 25-50 kg, are new and closed after packing. Each bag shall be affixed with a seed potato certification tag. A crop reference number shall be included on the seed potato certification tag and the Phytosanitary Certificate for traceability purposes.

Potatoes must be free of the following quarantine pests:

Insects

Lepidoptera
Symmetrischema tangolias (Andean potato tuber moth)

Plant Pathogens

Nematodes
Ditylenchus destructor (potato rot nematode)
* *Globodera pallida* (pale cyst nematode)
* *Globodera rostochiensis* (golden nematode)
Meloidogyne fallax (false Columbia root-knot nematode)

Fungi

Phoma foveata (potato gangrene)
Polyscytalum pustulans (skin spot)
Spongospora subterranea (powdery scab)
* *Synchytrium endobioticum* (potato wart)
Verticillium albo-atrum (verticillium wilt)

Viruses

Alfalfa mosaic virus (AMV) (alfalfa yellow spot)
Potato aucuba mosaic virus (PAuMV)
Potato virus A (PVA)
Potato virus M (PVM)
Tobacco rattle virus (TRV) (spraing of potato)
Tobacco ringspot virus (TRSV) (annulus tabaci)
Tobacco streak virus (TSV) (stunt of asparagus)
Tomato spotted wilt virus (TSWV) (tomato spotted wilt)

Viroids

Potato spindle tuber viroid (PSTVd) (spindle tuber of potato)

* Require risk management measures.

A full copy of Thailand's regulations can be found at <http://www.biosecurity.govt.nz/exports/plants/icpr-standards.htm>

Additional declarations:

"The seed potatoes in this consignment were produced in New Zealand in accordance with the conditions governing entry of seed potatoes to Thailand".

Note: The container number (for sea freight only) must be recorded on the Phytosanitary Certificate.