



**MAFBNZ Export Compliance
Programme for the Provision of
Additional Declarations
(Potato Cyst Nematode and Potato
Wart)
2009 V10**

**Requirements for: Growers, Packing Facility
Operators, Storage Facility Operators, MAF
approved Organisations, Exporters and
Independent Verification Agencies**

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Record of Amendments

Date	Version Number	Section	Amendment
August 2009	2009v10	3.1 & 3.2.1	Valuation number required on production sitemaps
		3.1 & 3.2.2.2	Requirement for machinery control & documentation for non-Taiwan sites removed
		3.1 & 3.2.2.1 (iv)	Bins are included as equipment for purposes of movement control for Taiwan sites
		3.2.1	Requirement for deregistering sites for Taiwan added
		3.2.3	Clarification grower harvest requirements
		4.1, 4.2.2.1 & 7.1, 7.2.9	Approved methods for verifying packhouse application of sprout inhibitor
		4.1	Addition MAF approved inspection Organisation registration requirements
		4.2.2.2	Clarification inventory records ie volumes
		5.1	Addition MAF approved inspection Organisation registration requirements
		5.2.1	Registration information reduced
		6	New Section: MAF approved inspection Organisation requirements
		7.1	IVA's to provide PCN find information to MAFBNZ
		7.2.2	IVA's to check PCN register prior to registering production sites Registration for MAF approved inspection organisations and timeframes
		7.2.5	Requirement to provide PCN find information on PCN finds to MAFBNZ added.
		7.2.6	Clarify phytosanitary inspection traceability roles
		7.2.8	Amendment to Note clarifying role of approved organisation inspectors when undertaking end point inspections
		7.2.9	Propham added as acceptable sprout inhibitor
		7.2.9	Requirements for confirmation of verification of packing facility sprout inhibitor application
		7.2.12.1	Process for non-compliance clarified
		7.2.13	Export volumes to reported by the 10 th of the month following export
		8	MAFBNZ to maintain register of PCN finds and make available to IVA's and industry
		Registration	New registration form Part 4 for MAF approved

		form- MAF Approved organisations	organisations
		Registration form- Exporters	Amended registration form Part 5 Exporters- only sub-agent details required

1. Introduction

This programme defines MAF Biosecurity New Zealand's (MAFBNZ's) operational requirements for growers, packing facility operators, storage facility operators, exporters, and Independent Verification Agencies (IVAs) for the provision of additional declarations (ADs) regarding:

- production site freedom from potato cyst nematode (*Globodera rostochiensis* and *Globodera pallida*) (PCN); and
- area freedom from potato wart (*Synchytrium endobioticum*).

The programme also includes additional requirements for the provision of export certification for table potatoes (potatoes for human consumption, table or processing, not intended for planting) for export to Taiwan.

This programme has been developed in consultation with the Potato Export Access Committee.

2. Definitions and abbreviations

Approved Organisation

An Organisation that has been formally recognised by Biosecurity New Zealand as competent to receive delegated authority to act on its behalf to provide a specific phytosanitary service(s) in accordance with the requirements specified in the relevant Biosecurity New Zealand standard(s).

Awareness

The ability of a grader/inspector to describe the symptoms of *S. endobioticum* by reference to industry supplied pest and disease charts/posters within the packing facility, and knowledge of the actions required should they detect suspect symptoms of *S. endobioticum*.

Biosecurity New Zealand (MAFBNZ)

The body within the Ministry of Agriculture and Forestry that is responsible for biosecurity functions, providing official assurances to control authorities in importing countries through export certification.

End Point Consignment Inspection

An officially recognised phytosanitary inspection process for plant products at a final point of storage prior to loading for export.

Independent Verification Agency (IVA)

An organisation accredited as meeting ISO/IEC 17020:2000 and its independence criteria type A, and Biosecurity New Zealand supplementary technical requirements, and authorised by Biosecurity New Zealand to carry out services associated with export certification.

Organisation:	The legal entity, be it individual, partnership, company or other form of legal entity, responsible for the performance of the phytosanitary risk management system approved by MAFBNZ.
Production site	A grower designated and MAFBNZ registered part of a property with clearly defined and mapped boundaries on which potatoes are to be grown for export under this programme. This may be a group of paddocks, a single paddock, or a portion of a paddock within a property.
Property	A single contiguous area of land as identified by property valuation numbers(s). Note: Land defined as a property must be contiguous (i.e., touching or adjoining). Land on separate property valuation numbers which is not contiguous (e.g., if separated by public roads or rivers) cannot be designated as one property.
Potato cyst nematode (PCN)	The nematodes <i>Globodera pallida</i> and <i>Globodera rostochiensis</i> .
Potato wart	The disease caused by the fungus <i>Synchytrium endobioticum</i> .
Table Potatoes	Potatoes for human consumption (table or processing), not intended for planting.

3. Grower Requirements

3.1 Summary checklist of grower requirements

All production sites	Taiwan only (additional requirements)	√
Determine if production site is eligible for the programme: <ul style="list-style-type: none"> • Potato wart has never occurred on the production site; and • Potato cyst nematode has never occurred on the production site. 		
Apply to register production site(s) with MAFBNZ (via the IVA). Map properties to identify location(s) of potato crop production sites, valuation number, boundaries and other identifying landmarks, and area (hectares). Sign Compliance Agreement and submit to MAFBNZ via the IVA.		
Specify (on application form) type of PCN survey required. Survey may be carried out: <ul style="list-style-type: none"> • through a pre-planting soil test; or • through fork-sampling; or • through a soil test pre-harvest or immediately post-harvest. Note in certain circumstances production sites that	Specify (on application form) type of PCN survey required. Two surveys are required, carried out: <ul style="list-style-type: none"> • through a pre-planting soil test; and • either pre-harvest fork-sampling survey or soil test. 	

have not grown potatoes for 10 years may be exempt from survey - refer Appendix 2.	The 10-year exemption is not available for Taiwan.	
	Arrange for the IVA to verify that seed potatoes to be planted meet programme requirements before planting.	
	Plant only certified seed potatoes, and keep records of proof of purchase for seeds.	
Keep copies of maps and records of dates of planting, quantities, and varieties for two years.		
	Document how movement of machinery and equipment [including bins] is controlled. Clean any machinery or vehicles moving onto production sites to prevent introduction of PCN.	
	Apply sprout inhibitor (unless the packing / storage facility operator is to do this post-harvest). Arrange for IVA to take sample for residue testing to confirm application of sprout inhibitor.	
Maintain a production record (diary) listing production site identification number, date of planting and harvest, variety harvested, and tonnage / number of field bins harvested for 2 years.		
Identify harvested potatoes with unique MAFBNZ (IVA allocated) production site identification code.		
Implement Post Harvest Product Security measures.		
Confirm your crop is eligible for certification: - registration processed and verified by IVA; - freedom from PCN has been confirmed; - production site status is notified on the MAFBNZ website.		

3.2 Detail of grower requirements

3.2.1 Application for registration of production sites

Growers must submit applications for registration of production sites no later than 21 days after the crop has been planted, unless the pre-planting soil test is required in which case applications for registration must be submitted before planting.

Note: for Taiwan, growers must submit applications for registration of production sites BEFORE planting.

- Production site registration is applicable for one crop cycle. Growers wishing to plant a second crop on a registered production site must reapply to the IVA for registration and obtain a new (different) production site identification code.
- Growers voluntarily withdrawing registrations for production sites or for Taiwan (i.e. a specific market from the programme must notify the IVA in writing.

- Withdrawn production sites are not eligible for re-registration or re-entry to the programme until the start of the next crop cycle.

Growers are to:

- Direct registration enquiries toASUREQuality Ltd (ASUREQuality) or SGS New Zealand Ltd (SGS). Refer Section 11 for contact details.

Note:

1. These IVAs verify and process the applications for registration of growers' potato production sites on behalf of MAFBNZ.
 2. Application forms for production site registration (Appendix 1) will be provided by IVAs, and will be modelled on the template provided on the MAFBNZ website:
<http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode-> (IVAs may include additional administrative requirements on the forms).
- Complete the application for production site registration.
 - Define grower production sites (refer to the definition of property and production site in Section 2 of this document):
 - Prepare a map of the production site(s). Maps must include the valuation number and clearly identify the location of the production site (or intended production site) within the parcel of land delineated by the valuation number, show the production site(s) boundaries and area (ha) of the production site(s). The production site map should include readily identifiable landmarks and road names.
 - Complete and sign the application, including the Compliance Agreement. Refer: <http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode-> This agreement must be signed by all growers who have applied for registration of a production site.
- Note:**
1. The Compliance Agreement defines the relationship between the Grower and MAFBNZ for the operation and management of this programme.
 2. Failure to adhere to the conditions of the Compliance Agreement will result in the removal of the grower and / or production site(s) from the programme.
- Submit property maps and registration application forms to the IVA.
 - Retain a copy of production site maps for a period of 2 years.
 - Obtain a unique MAFBNZ (IVA allocated) identification code for every production site participating in the programme.
 - Acceptance of registration will be confirmed by the IVA, and notified on the MAFBNZ website, once applications for registration have been verified.
 - The compliance status ("compliant" = eligible for export certification) will be notified on the MAF website when all verification requirements have been completed (refer Section 7).

3.2.2 Production compliance procedures for implementation by growers

3.2.2.1 Taiwan only

- (i) Request pre-planting soil test
 - Obtain IVA production site clearance following the pre-planting PCN soil test confirms no PCN is present.

- (ii) Plant only certified seed
 - Only plant seed potatoes certified by the New Zealand Seed Potato Certification Authority as being from the “Pathogen Tested (PT)”, “Open” or equivalent schemes.
 - Retain proof of purchase of certified seed sourced from PCN and potato wart free sites.
 - Obtain IVA verification of seed potato status before planting.

- (iii) Implement phytosanitary measures
 - Implement phytosanitary measures for controlling regulated pests (as required for the additional declaration):
 - Potato tuber moth (*Phthorimaea operculella*);
 - White-fringed weevil (*Naupactus leucoloma*);
 - Stem and bulb nematode (*Ditylenchus dipsaci*);
 - Potato rot nematode (*Ditylenchus destructor*);
 - Bulb mite (*Rhizoglyphus echinopus*).
 - Maintain a diary, which records names and quantities of varieties planted, dates of planting, and pest and disease control measures in each registered production site and make this available to the IVA for verification.

- (iv) Prevent PCN contamination of production sites
 - Provide the IVA with a document which states how the movement of vehicles, machinery and bins will be controlled onto Taiwan registered production sites.
 - All machinery, vehicles and bins moving onto designated production sites must be free from PCN and potato wart contamination. Machinery, vehicles and bins from sites not established as PCN or potato wart free must be cleaned with a high pressure water system to remove soil before entering the designated production site.

- (v) Request confirmatory PCN test
 - Request pre-harvest PCN survey (fork-sampling or soil test pre-harvest).

- (vi) Apply sprout inhibitor
 - Apply sprout inhibitor pre-harvest (foliar application of maleic hydrazide). Alternatively, chlorpropham may be applied by pack house operator post-harvest.
 - Application of maleic hydrazide will be verified by the IVA through sampling and residue testing of a sample of potatoes before, or immediately following, harvest.
 - Maintain records of dates and rates of application of sprout inhibitor.

3.2.2.2 Other countries

- (i) Request PCN survey
 - Request the IVA to carry out a PCN survey. The PCN survey may be carried out:
 - through a pre-planting soil test (no more than 6 weeks prior to intended planting date); or
 - through fork-sampling¹; or
 - through a soil test pre-harvest; or
 - through a soil test immediately post-harvest².
 - Only one survey is required.

¹ A minimum of 12 weeks after planting or, for early plantings, 12 weeks after the mean soil temperature reaches 12°C.

² No more than 5 days after harvest.

- Note - in certain circumstances production sites that have not grown potatoes for 10 years may be exempt from survey - refer Appendix 2.

3.2.3 Harvest requirements for growers

- Notify selected IVA of intended harvest date (as per IVA arrangements).
- Identify every load of harvested potatoes with the unique MAFBNZ (IVA allocated) production site identification code before it leaves the production site (or before dispatch to packhouse if located on the same production site). **Note:** Any bin or load that is not correctly identified is not eligible for the programme.
- Maintain a diary, which includes details of production site identification number, date of planting and harvest, variety harvested, and tonnage / number of field bins harvested.
- Make this information available to their IVA or MAF approved inspection Organisation for traceability and inventory control purposes refer Sections 7.2.8 and Section 6.
- Implement Post Harvest Product Security measures:
 - Ensure bins of potatoes not compliant with this programmes requirements are not stacked above bins of potatoes harvested under this programme.
 - Maintain traceability (e.g., bin labels and production site identification codes) during storage and transport.

4. Requirements for Packing Facility and/or Storage Facility Operators

4.1 Summary and checklist of packing / storage facility operator requirements

All production sites	Taiwan only (additional requirements)	√
Apply for registration of packing and / or storage facilities with nominated IVA. Freight forwarders and transport operators who store or reconfigure consignments of potatoes for export under this programme must apply to register as storage facilities. Applications must be verified (as listed on MAFBNZ website) prior to handling potatoes under this programme.	Ensure that the “Taiwan” box is checked in the registration application form; refer http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode-	
For facilities operating, or handling, potatoes grown south of the Rangitata river, nominate at least one staff member responsible for ensuring all grading staff within the facility have awareness of <i>S. endobioticum</i> , and of the actions required should symptoms be detected.		
Ensure potatoes entering the packing facility are identified with the correct MAFBNZ (IVA allocated) production site code.		
	Apply sprout inhibitor (unless the grower has done this pre-harvest). Ensure IVA verifies application of sprout inhibitor through one of the approved methods.	
	While packing potatoes for Taiwan do not sort or pack potatoes destined for other destinations.	
Apply MAFBNZ (IVA allocated) unique production site and packer codes to packed product to ensure traceability (apply Post Harvest product security Measures).		
	Ensure potatoes packed for Taiwan are segregated from other potatoes in storage.	
Maintain inventory system.		
Ensure that the contracted MAF approved inspection organisation is registered before presenting potatoes for inspection under this programme		

4.2 Detailed requirements for packing and storage facility operators

All packing and/or storage facilities handling potatoes under this programme must apply for registration with MAFBNZ via an IVA. Freight forwarders and transport operators who store or reconfigure packed consignments of potatoes for export under this programme must apply to register as storage facilities.

MAF approved inspection organisations must be registered (via the MAF website) insert link here before presenting potatoes for inspection under this programme.

4.2.1 Application for registration of Packing and/or Storage Facilities

- Direct registration enquiries toASUREQuality Ltd or SGS New Zealand Ltd. Refer Section 11 for contact details.
- Applications for registration must be verified (as indicated on the register on the MAFBNZ website) prior to handling any potatoes under this programme. Applications will be accepted at any time, but all packing / storage facility registrations expire on 31 October each year.
- Freight forwarders and transport operators who store or reconfigure consignments of potatoes for export under this programme must apply to register as storage facilities.
- Applications must be completed prior to handling potatoes under this programme.
- Provide the IVA with a description of how packed product will be traceable from grower production site to the point of export from NZ.
- Obtain a unique MAFBNZ (IVA allocated) identification code for the packing facility or storage facility. This is issued once the facility operator has applied for, and the facility meets, the registration requirements (**as verified by an IVA prior to operating**), as identified within this programme.
- Confirm that application for registration has been accepted (via MAFBNZ website) before packing or storing potatoes grown under this programme.
- Packing and/or storage facilities voluntarily withdrawing from the programme must notify the IVA of their withdrawal.
- Withdrawn facilities wishing to re-enter the programme must re-apply for registration in writing via their IVA.
- Operators of packing facilities handling potatoes grown south of the Rangitata river must nominate at least one staff member who will have responsibility for ensuring all grading staff within the facility have an awareness of potato wart (*S. endobioticum*), and of the actions required should symptoms of potato wart be detected (refer Section 4.2.5 and 4.2.6, below).

Note:

1. IVAs will undertake the verification and processing of applications for registration of packing facilities and storage facilities on behalf of MAFBNZ.
2. Registration application forms (Appendix 1) will be provided by IVAs, and will be modelled on the template provided on the MAFBNZ website:
<http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode-> (IVAs may include additional administrative requirements on the forms).
3. Acceptance of registration will be confirmed by the IVA, and notified on the MAFBNZ website, once applications for registration have been verified (refer Section 6).
(<http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode->).
4. Packhouse operators may update registration details of nominated persons, via the IVA, at any time.
5. Where the packing and storage facilities are on the same site and owned and operated as one business entity, only one application for registration will be required.
6. Where a packing or storage facility is not a MAFBNZ approved organisation for phytosanitary inspections, product inspection and post inspection product security

processes must be accommodated within an authorised IVA's or approved Organisation's system of procedures.

4.2.2 Packing and / or storage facility segregation, traceability, and operational requirements

4.2.2.1 *Taiwan only*

- When sorting or packing potatoes for Taiwan do not at the same time sort or pack potatoes from production sites that are not registered for, and not in compliance with, the requirements of the Taiwan programme.
- Ensure machinery and equipment used for packing potatoes under this programme is cleaned prior to use if it has been used in conjunction with potatoes from land known to be infected with PCN or potato wart.
- Apply sprout inhibitor (chlorpropham) post-harvest, unless maleic hydrazide has been applied pre-harvest by the grower.
- Packhouses that are MAFBNZ approved_organisations must update their approved systems to include procedures for application of sprout inhibitor in the packhouse.
- Packhouses that are not MAFBNZ approved organisations have the following options for verifying the application of sprout inhibitor:
 - request the IVA to sample and residue test each consignment before export to verify application of sprout inhibitor, OR
 - the treatment is 100% supervised by and IVA, OR
 - sprout inhibitor applied by a MAF approved treatment operator (who provides a certificate with application rates),
 - by an approved organisation that has this treatment within its system:
 - Record the date of application of sprout inhibitor.
 - Segregate potatoes for Taiwan from others in the storage facility:
 - minimum 100mm separation;
 - potatoes that are not cleared for Taiwan are not to be stacked above potatoes destined for Taiwan.
 - Clearly identify each bag (or other container) of potatoes destined for Taiwan with:
 - packing run number (e.g., date);
 - the unique MAFBNZ identification code of the grower's designated production site(s);
 - the unique MAFBNZ identification code of the packing facility.
 - Identify the MAFBNZ registered exporter to be supplied under the programme within the packing facility or storage facility inventory system.

4.2.2.2 *Traceability and inventory control requirements (all markets including Taiwan)*

- Maintain an inventory system that identifies the:
 - MAFBNZ registered production sites that potatoes have been sourced from;
 - MAFBNZ registered storage facilities where potatoes will be stored at all times prior to export;
 - the inwards and outward dates and volumes of potatoes from MAFBNZ registered production sites, packhouse, storage facilities and to their MAFBNZ registered exporters.
 - Ensure that every bin or load entering the packing facility is identified with, or is directly traceable to, the correct unique MAFBNZ (IVA allocated) production site identification code (e.g., with a bin label).

Note: Any bin or load that is not correctly identified is not eligible for the programme.

- Ensure that every bin or bag leaving the packhouse is labelled with the unique MAFBNZ (IVA allocated) production site identification code and the unique MAFBNZ (IVA allocated) packing facility code as contained in the MAFBNZ register.
- Implement Post Harvest Product Security measures:
 - Ensure bins of potatoes not compliant with this programmes requirements are not stacked above bins of potatoes harvested under this programme.
 - Maintain traceability and inventory requirements (e.g., bin labels and production site identification codes) during storage, packing and transport.

4.2.3 Packing and/or storage facility records

Retain, for a period of two years from acceptance of registration, the following records and make them available to the MAF authorised and/or approved inspection Organisation at inspection and as requested to the IVA for audit purposes:

- Details of packing dates and volumes packed and stored as part of the programme.
- Transport Consignment/Advice notes for all product transported out of the packhouse and/or storage (including the date, quantity of product and carrier's destination).

4.2.4 Facilities for inspection

Wherever export phytosanitary inspection is undertaken the operator's facility must possess appropriate inspection facilities and equipment.

4.2.5 Packhouse inspection of harvested potatoes for potato wart - south of Rangitata river only

For climatic reasons the potential establishment areas for potato wart in New Zealand exist only south of the Rangitata river. In those areas additional surveillance activities are required to support area freedom from potato wart.

- Nominated staff (i.e., those nominated in applications for registration) are responsible for:
 - Ensuring that grading, inspection and other packhouse staff monitor potatoes for symptoms of *S. endobioticum* at the time of product grading, packing and phytosanitary inspection.
 - Demonstrating to an IVA auditor that the facility's grading and MAFBNZ approved inspection staff (where applicable) have an awareness (refer definition) of *S. endobioticum* and actions required (refer section 4.2.7) if suspect symptoms are detected.
- Where the packhouse is MAFBNZ approved, the approved procedures must be amended to incorporate the requirements of an inspection/monitoring regime for symptoms of *S. endobioticum*.

- Note 1** The nominated person(s) within the packing facility must be able to demonstrate to an IVA auditor:
- Industry distributed publicity material is publicly available to grading/inspection staff members
 - Grading/inspection staff are aware of *S. endobioticum* symptoms and the steps required when suspect symptoms are detected,

- Written records of suspect symptoms detected, date dispatched for identification and any facility safe guarding & product segregation actions taken.

Where the nominated person(s) within the facility is unable to demonstrate the above during an IVA audit, the facility's registration will be revoked.

Note 2 **The Biosecurity Act 1993 requires any individual who identifies or suspects plant material to be infected with *S. endobioticum* to notify MAFBNZ immediately. Failure to officially report suspect symptoms of *S. endobioticum* to MAFBNZ is an offence under the Biosecurity Act 1993 and may result in prosecution of the individual/company. Should *S. endobioticum* be confirmed, its occurrence would be treated as an exotic pest incursion and would be managed under MAFBNZ's Incursion Policy.**

4.2.6 Actions to be taken if symptoms of *S. endobioticum* are detected in packing facilities.

If potato wart-like symptoms are detected, packing facility operators or nominated persons must immediately:

- Contact: MAFBNZ's Exotic Pest & Disease Emergency Hotline **0800 809 966** to report the suspect symptom and implement any actions as directed.
- Segregate/isolate the line of potatoes in which the suspect potato wart symptom was observed. **The line is to remain segregated within the packing facility pending formal identification of the suspect symptom(s).**
- Collect, isolate, and maintain within the packing facility, all loose soil from around and upon the grader associated with the line in which the suspect symptom(s) was observed.
- Notify your IVA of the suspect symptom and actions that you have taken.
- Thoroughly clean the grader and all other equipment that may have come into contact with the grower line from which the suspect symptom(s) was observed. A 10% concentrate water/bleach (e.g. Janola) solution is to be used to clean the equipment prior to further grading/packing.
- Keep written records of the suspect symptoms detected, date dispatched for identification, and the facility safeguarding and product segregation actions taken.

For further information on *S. endobioticum* review the following factsheet:

<http://www.biosecurity.govt.nz/files/pests-diseases/plants/potato-wart/factsheet.pdf>

5. Exporter Requirements

5.1 Summary and checklist exporter requirements

All markets	Taiwan only (additional requirements)	√
Apply to register for the programme with Horticulture New Zealand.		
In the application list any exporting agent who will operate under your registration. Notify any changes to Horticulture New Zealand and to your nominated IVA.	Agents and sub-agents may not participate in the programme - all exporters must be fully registered as exporters.	
Where approved by MAFBNZ, include and implement traceability and post inspection product security requirements into operator systems.		
Where product is subjected to MAFBNZ endpoint inspection, the appropriate MAF authorised IVA and/or MAF approved inspection Organisation is responsible for implementing suitable product traceability and post inspection product security measures.		
Ensure that the contracted MAF approved inspection organisation is registered before potatoes are presented for inspection under this programme		

5.2 Detailed exporter requirements

5.2.1 Application for exporter registration

- Apply to register with MAFBNZ (via Horticulture New Zealand) and provide the following information:
 - The name and contact person within any organisation the exporter has selected as an export agent as part of their exporter registration for the export of potatoes in this programme.

Note: For Taiwan agents and sub-agents may not participate in the programme - all exporters must be fully registered as exporters.
- Registration enquiries should be directed to:
 - Ron Gall
 - Business Manager
 - Horticulture New Zealand
 - P O Box 10232
 - Wellington
 - Telephone: 04 472 3795
 - Email: ron.g@hortnz.co.nz
- Applications for exporter registration will be accepted at any time, but all exporter registrations expire on 31 October each year.
- Notify Horticulture New Zealand if voluntarily withdrawing from the programme. Withdrawn exporters wishing to re-enter the programme must re-apply via Horticulture New Zealand. Notify Horticulture New Zealand of any changes to registration details.
- Acceptance of registration will be confirmed via the MAFBNZ website.

5.2.2 Post Inspection Product Security

Implement Post Inspection Product Security measures.

- If MAFBNZ approved, include and implement traceability and post inspection product security requirements into operator systems. Refer Section 6.3. **Note:** the IVA will include those actions in the scope of their audit of those approved Organisations
- Where a MAF approved Organisation is undertaking end-point consignment inspections of product held by non-approved, registered, exporters, the MAF approved Organisation must include post inspection product security in their operator systems. Refer Section 6. **Note:** the IVA will include those actions in the scope of their audit of those approved organisations.
- Where an exporter is not MAFBNZ approved, post inspection product security processes must be accommodated within an approved IVA's or Operator's procedures.

6. MAF Approved Organisations (Phytosanitary Inspection) requirements

6.1 Summary and checklist of MAF Approved Inspection Organisation requirements

Apply for registration with IVA annually	
Ensure potatoes for inspection meet the traceability and inventory requirements of this programme	
Implement Post Inspection/Harvest Product Security measures	
Undertake inspections as per documented and approved procedures	
Implement Post Harvest Product Security measures	

6.2 Requirements for MAF Approved Inspection Organisations

All MAF approved organisations undertaking phytosanitary inspection of potatoes under this programme must apply for registration with MAFBNZ via an IVA.

6.3 Application for registration of MAF Approved Inspection Organisations

- Direct registration enquiries to AusreQuality or SGS New Zealand Ltd. Refer Section 11 for contact details.

Note:

1. These IVAs verify and process the applications for registration of MAF approved inspection organizations on behalf of MAF
2. Application forms for MAF approved inspection organisations will be provided by IVAs and will be modeled on the template provided in the MAF website:
<http://www.biosecurity.govt.nz/forms/exports-potato-reg-form>
 - Complete and sign the application for MAF approved inspection organisation registration.
 - Applications for registration must be verified (as indicated on the register on the MAFBNZ website) prior to handling any potatoes under this programme. Applications will be accepted at any time, but all registration expire on **31 October** each year.
 - Applications must be completed prior to inspecting potatoes under this programme.
 - Confirm that application for registration has been accepted (via MAFBNZ website) before inspecting potatoes under this programme.
 - MAF approved inspection organisations voluntarily withdrawing their registration must notify their IVA
 - Withdrawn inspection organisations wishing to re-register must apply in writing to their IVA.
3. MAF approved inspection organisations that are not registered are not eligible for participation in this compliance programme.

6.4 Confirmation of non-approved packing and/or storage facility Operator’s traceability requirements

MAF approved inspection organisations undertaking endpoint consignment inspection must verify (prior to undertaking endpoint inspection) that non-approved registered packing and/or storage facility operators have maintained the integrity of the lot (thus ensuring the lot is eligible for the area freedom ADs) by:

- Demonstrating an understanding of the programme requirements
- Checking that the inventory system is in compliance with section 4.2.2.2 as appropriate.
- Checking that the programme’s traceability, segregation, inventory control and security requirements have been met.

6.5 Contingency measures for detection of lack of integrity of lot

If the MAF approved inspection Organisation identifies that the non-approved registered packing and/or storage facility operators have not maintained the integrity of the lot they must immediately

- Place the export consignment on hold as it is not eligible for the ADs
- Notify their IVA of the course of action taken for that consignment.

6.6 Post Inspection Product Security Measures

Implement Post Inspection product Security measures when undertaking end point consignment inspection

7. Independent Verification Agency (IVA) Requirements

IVAs are to use this programme in conjunction with their MAFBNZ approved IVA operating procedures.

7.1 Summary of IVA requirements

All markets	Taiwan only (additional requirements)	√
Process applications for registration of growers and their production sites; packers, and storage facility operators; and MAF approved inspection Organisations.		
Provide registration information to MAFBNZ.		
Provide information on PCN finds to MAFBNZ. Information should include production site number, site map and valuation number		
Verify grower and production site requirements.		
	Verify source of seed potatoes.	

Issue unique MAFBNZ registration codes.		
Monitor growers, packing and storage facility operators for compliance with the requirements of this programme.		
Survey production sites for PCN at appropriate time (by soil sampling or root sampling methods).	Conduct pre-planting soil test for PCN .	
	Conduct pre-harvest survey (root sampling or soil test) for PCN.	
Notify MAFBNZ of PCN detections.		
Confirm grower compliance with programme requirements.		
Implement or verify Post Inspection/Harvest Product Security measures.		
	Verify packhouse application of sprout inhibitor through MAF approved treatment operator or under IVA supervision or residue testing by a MAF approved lab. or as part of audits of approved organisation systems.	
Confirm compliance with potato wart requirements.		
Confirm non-approved packing/storage facility operators' compliance.		
Verify phytosanitary certificate requests.		
Implement contingencies for non-compliance.		
Maintain an inventory of the tonnage of potatoes exported by each registered exporter (includes the registered exporter's nominated agent(s)) and provide to MAFBNZ and to Horticulture New Zealand by the 10 th of each calendar month.		

7.2 Detailed IVA requirements

7.2.1 IVA Communication with MAFBNZ

- Nominate a person within the IVA that is responsible for communication with MAFBNZ regarding their implementation of this programme.

7.2.2 Processing Applications for Registration and Compliance Agreements

Process (on behalf of MAFBNZ) all applications for registration of grower production sites, packing and/or storage facilities and MAF approved inspection organisations complying with the programme requirements, and where appropriate, assign unique MAFBNZ identification codes to these. **Note: codes must be unique to production site and year of issue, as multiple crops from one production site in the same year are possible. Check MAFBNZ summary list of PCN finds to confirm prior PCN status of the production**

site. Growers wishing to plant a second crop on a registered production site must reapply to the IVA for registration and obtain a new (different) production site identification code.

- **Provide registration and compliance status information to MAFBNZ (as per the agreed format and submission process)** for posting on the MAFBNZ web site within the following timeframes:
 - Registration of MAF approved inspection organisations- within 4 working days of receipt of registration applications;
 - Registration of production sites - within 4 working days of the completion of verification of registration applications;
 - Compliance of production sites - within 24 hours of verification of documentation and soil test
 - Packing and storage facilities - within 2 working days of **the application being verified as compliant with the programme requirements.**
- Ensure all growers, packing and /or storage facility operators, and MAF approved inspection organisations who wish to participate within the programme complete and sign the Compliance Agreement (Part 1 of the Application for registration) refer:
[http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode-](http://www.biosecurity.govt.nz/commercial-exports/plant-exports/compliance-programmes/provision-of-potato-cyst-nematode)
- Countersign the Compliance Agreement once applications for registration have been verified.
- Retain on file the original of the completed and signed Compliance Agreement for at least two years from the date of signing.
- Return a copy of the signed Compliance Agreement to the applicant.

7.2.3 Verification of grower and production site requirements

7.2.3.1 *Taiwan only*

- Ensure that seed potatoes to be planted meet the requirements of the programme, i.e., certified by the New Zealand Seed Potato Certification Authority as being from the pyramid scheme (formerly the “Pathogen Tested (PT)” and “Open” schemes). Normally this would be done at the time of the pre-planting PCN soil test. This may be done by checking seed certification tags and purchase records.
- Survey every designated production site for PCN. Two surveys are required by Taiwan:
 - The pre-planting survey will consist of a sample of 100 cores of 4-5ml of soil from each designated production site. If the designated production site exceeds 10 hectares the sample will be 200 cores of 4-5ml of soil;
 - The pre-harvest survey will consist of either a survey of each production site by the fork sampling method approximately 100 days after planting, or 100 cores of 4-5ml of soil sampled from each production site.
- Send each bulked sample to a MAFBNZ approved laboratory for nematode extraction (using Flotation, Flask, Paper-strip, Fenwick can, Elutriation or Wye washer methods) and testing for PCN by microscopic inspection by PCR according to procedures agreed by BAPHIQ and MAFBNZ.

Note: The entire soil sample (i.e. all cores taken from the entire production site bulked into a single sample) must be processed **as a unit** [Ref BNZ Exports (Plants) Policy Directive “Surveillance for Potato Cyst Nematode” 13 December 2004..

- Instruct the approved laboratory to notify the results of PCN identification as per the requirements of PEO.PIR.

- Confirm date and rate of application of the field application of sprout inhibitor and sample for residue testing (note the option for sprout inhibitor to be applied in the packhouse).
- Confirm that the grower has maintained a diary recording names and quantities of varieties planted, dates of planting, and pest and disease control measures in each registered production site.
- For field applications of maleic hydrazide, the MAF approved inspector must randomly select a sample of tubers from each registered grower's production site(s) using Codex Alimentarius methodology.
 - A registered grower with more than one production site within the boundary of their property may elect to only have one sample taken representing their multiple production sites. Where a grower exercises this option, the MAF approved inspector is to select one production site from which to collect the sample for analysis (see note below).
 - This sample is to be dispatched to an IANZ accredited Laboratory along with a request to test for maleic hydrazide residues.

Note:

- The results of the analysis apply to all production site(s) of which the tuber sample is representative.
 - Should no sprout inhibitor be detected as a result of the analysis, the production site(s) are to be excluded from the programme or a sprout inhibitor is to be applied in the packhouse.
- Where residue tests are performed, randomly select a sample of tubers from each consignment using Codex Alimentarius methodology
 - This sample is to be dispatched to an IANZ accredited Laboratory along with a request to test for chlorpropham residues.
 - Should no sprout inhibitor be detected as a result of the analysis, the production site(s) are to be excluded from the programme or a sprout inhibitor is to be applied in the packhouse under IVA supervision.

7.2.3.2 Other markets

- Survey each registered production site for PCN as per MAFBNZ approved procedures.
- Note: The MAFBNZ approved laboratory for nematode extraction must process the entire soil sample (i.e. all cores taken from the entire production site bulked into a single sample) **as a unit.** [Ref BNZ Exports (Plants) Policy Directive "Surveillance for Potato Cyst Nematode" 13 December 2004]

7.2.4 Post Inspection Product Security Measures

- Implement or verify implementation of Post Inspection Product Security measures undertaken at end point consignment inspection.

7.2.5 PCN Detections

- Notify MAFBNZ of PCN detections as an event as per the requirements MAFBNZ Standard IVA Requirements.

Note: Potatoes grown on those production site(s) will not be eligible for additional declarations stating freedom from PCN.

- Provide information on PCN finds to MAFBNZ. Information should include production site number, site map and valuation number.

7.2.6 Confirmation of grower compliance with the programme requirements

- Ensure PCN survey samples were taken by MAFBNZ approved persons.
- For Taiwan only, ensure certified seed was planted.
- Check that PCN testing was carried out at MAFBNZ approved laboratories.
- Check PCN survey laboratory results.
- Confirm measures to prevent contamination (carried out at the time of field surveys).
- Where the IVA is the endpoint consignment inspection organisation the IVA must ensure that the activities in Sec. 7.2.8 ‘Confirmation of traceability requirements’ and 7.2.4 ‘Post Inspection Product Security Measures’ are completed.
- Where a MAF approved organisation (other than an IVA) undertakes the inspection the IVA must ensure that:
 - The MAF approved inspection Organisation understands that they are responsible for the traceability and inventory, and Post Inspection Product Security confirmation activities in Sec. 6.
 - There is a formal transfer of responsibility for traceability confirmation activities from the survey supplier (IVA) to the MAF approved inspection organisation, ensuring the integrity of the consignment is transferred

7.2.7 Audits of MAFBNZ approved organisations

- Audit approved organisations as per the frequency specified by MAFBNZ standards as appropriate for the audit risk status of each operator.

7.2.8 Confirmation of non-approved packing and/or storage facility Operators’ traceability requirements (while undertaking endpoint inspection)

IVAs must verify (in the course of endpoint inspections) that non-approved registered packing and/or storage facility operators have maintained the integrity of the lot (thus ensuring the lot is eligible for the area freedom ADs) by:

- Demonstrating an understanding of the programme requirements
- Checking that the inventory system is in compliance with section 4.2.2 as appropriate.
- Checking that the programme’s traceability, segregation, inventory control and security requirements have been met.

Note: If the IVA has evidence that non-approved registered packing and/or storage facility operators have not maintained the integrity of the lot they must notify MAF in writing.

7.2.9 Confirmation of packing facility sprout inhibitor application requirements

- For packhouse applications of sprout inhibitor (chlorpropham or propham), the IVA must verify application of sprout inhibitor through one of the following options:
 - request the IVA to sample and residue test each consignment before export to verify application of sprout inhibitor, OR
 - the treatment is 100% supervised by and IVA, OR

- sprout inhibitor applied by a MAF approved treatment operator (who provides a certificate with application rates), OR
- by an approved organisation that has this treatment within its system,

7.2.10 Confirmation of packing facility potato wart requirements

To support area freedom from potato wart, packing facility operators are required to undertake additional surveillance activities when packing potatoes grown in areas south of the Rangitata river. In other areas, IVAs are reminded of their obligation to report potato wart, and to be aware of potato wart symptoms while undertaking end point consignment inspections.

- Undertake, for facilities packing potatoes from production sites south of the Rangitata river, competency assessments, audits and inspections for symptoms of *Synchytrium endobioticum* in accordance with MAFBNZ approved procedures and relevant MAFBNZ standards.
- In each audit/inspection facilities packing potatoes from production sites located south of the Rangitata river:
 - Reaffirm competency of nominated facility person(s) and awareness of protocol requirements by grading/inspection staff;
 - Include a visual inspection of potatoes on the grading table and within bins for symptoms of *S. endobioticum*;
 - Include a visual inspection for symptoms of *S. endobioticum* from the sample drawn from the export consignment.

Note: Where an end point consignment inspection is undertaken at a facility other than a ‘registered packhouse’, certification is to be withheld until a successful audit of the ‘non-registered packhouse’ has been undertaken.

- Provide to MAFBNZ, within 5 days of the assessment having been completed, a register which identifies all packhouses which have been assessed as being competent in the detection of symptoms of *S. endobioticum*.
- Only verify phytosanitary certificates which have additional declarations for *S. endobioticum* if the potato crop has been sourced from a registered packhouse compliant with the requirements of this programme.
- In the event of a non compliance to the programme requirements, notwithstanding possible prosecution under the Biosecurity Act, the operator and or exporter will not be eligible for an additional declaration for *S. endobioticum*.
- Notify MAFBNZ within 24 hrs of the identification of a non compliance to this protocol’s requirements. Pending the resolution of the non compliance, the registered status of the packhouse for *S. endobioticum* is to be immediately withdrawn.

7.2.11 Verification of phytosanitary certificate additional declaration requests

7.2.11.1 Taiwan only

- Confirm, as a component of certificate verification process for each export consignment of potatoes requesting additional declarations for freedom from PCN and potato wart, that the:
 - Potatoes were sourced from MAFBNZ registered production sites, surveyed and found free from these pests.
 - Potatoes were packed in MAFBNZ registered packing facilities.
 - Potatoes were stored at MAFBNZ registered storage facilities.

- The consignment is presented for export by a MAFBNZ registered exporter.
Note: Agents and sub-agents may not participate in the programme - all exporters must be fully registered as exporters.
- Only table potatoes (potatoes for human consumption, table or processing, not intended for planting) are to be certified for export to Taiwan.
- The Additional Declaration is to be applied to phytosanitary certificates once the requirements of the programme have been confirmed.
 - “1. 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*, and *Rhizoglyphus echinopus*,
or treated by appropriate quarantine treatments prior to export.
 - 2. The potatoes have been treated with chlorpropham or maleic hydrazide.”

7.2.11.2 **Other markets**

- Confirm, as a component of certificate verification processes for each export consignment of potatoes requiring additional declarations for freedom from PCN and potato wart, that the:
 - Potatoes were sourced from MAFBNZ registered production sites, surveyed and found free from these pests;
 - Potatoes were packed in MAFBNZ registered packing facilities;
 - Potatoes were stored at MAFBNZ registered storage facilities;
 - The consignment is presented for export by a MAFBNZ registered exporter or their agent;
 - The appropriate Additional Declaration as specified in the relevant MAFBNZ ICPR or Import Permit is contained in the phytosanitary certificate being verified.

7.2.12 **Contingency measures for non-compliance detections**

7.2.12.1 **Growers, packing facility operators, storage facility operators and exporters**

- Where an operator identifies a non-compliance they should immediately contact their IVA to determine the best course of corrective action.
- Where an IVA identifies a non-compliance the following contingency measures are to be applied and conveyed to the affected parties in writing:
 - (i) **Registered growers**
 - The grower and their production sites are to be suspended immediately from the programme AND
 - Where the grower elects to continue within the programme, the grower has 3 days to implement corrective actions for the non-compliance. Within this 3 day period the IVA is to verify that the grower has undertaken the agreed corrective actions OR
 - Where corrective actions have not been completed, the IVA is to withdraw the grower’s production sites from the programme.
 - (ii) **Non-approved packing and storage facility operators and exporters**
 - The packing/storage facility operator or exporter, as appropriate, is to be suspended immediately from the programme.
 - Where the operator or exporter elects to continue within the programme, the operator or exporter has 3 days to implement corrective actions for the non-compliance.

Within this 3 day period the IVA is to verify that the operator or exporter has undertaken the agreed corrective actions.

- Where corrective actions have not been completed, the IVA is to withdraw the operator's packing and storage facilities, or the exporter's registration, from the programme.
- (iii) Approved packing and storage facility operators and exporters**
- Any non-compliance detections are to be treated as per MAFBNZ Standard IVA Requirements.
- The IVA is to treat all non-compliance detections within the programme as an event and notify MAFBNZ Exports as per MAFBNZ Standard IVA Requirements.

7.2.12.2 *Taiwan only - programme suspension / Termination (Taiwan only)*

- Shipments of table potatoes into Taiwan not in compliance with this programme and the relevant entry requirements will be refused entry.
- Appropriate options, if available, will be afforded for shipments that have been refused entry for non-compliance. Shipments may be destroyed or re-exported at the importer's expense under the plant quarantine regulations of Taiwan.
- If PCN / potato wart is detected during on-arrival inspection, the grower and the production site will be excluded from the programme for further exports of potatoes to Taiwan. The relevant packing and storage facilities will be suspended immediately. If the offending production site, packing or storage facility is not readily identified, all imports of potatoes from New Zealand will be suspended immediately.
- If the non-compliance (detected during on-arrival inspection) is related to inadequate documentation or post inspection product security failure, MAFBNZ will be immediately notified and, within 48 hours, will provide documentation to confirm (or otherwise) the integrity of the consignment and confirm that Taiwan's requirements have been met. If such documentation cannot be provided, the consignment will be rejected.

7.2.13 Inventory of Export Volumes

- Maintain an inventory, which identifies the volume of potatoes exported by each registered exporter [includes the registered exporter's nominated agent(s)].
- Provided the inventory to Horticulture New Zealand and to MAFBNZ Exports by the 10th of the month following the harvest month during the export season.

8. Summary of MAFBNZ responsibilities

All production sites	Taiwan only (additional requirements)	√
Maintain register of grower production sites, packing facility operators, storage facility operators, and exporters on the MAFBNZ website.		
Manage and maintain the programme.		
Audit IVAs for compliance with the programmes requirements.		
	Notify BAPHIQ of any change in the status of Potato wart in New Zealand	
	Issue phytosanitary certificates for table potatoes that comply with Taiwan's import phytosanitary requirements and this programme.	
	Provide to BAPHIQ, via the MAFBNZ website, up to date lists of registered growers, packing and storage facilities, exporters and IVAs.	
	Invite and arrange BAPHIQ inspectors to monitor the programme and export system every year or as requested by BAPHIQ when necessary.	
Maintain a register of PCN finds (production site number, site map & valuation number) and make this available to IVA's and industry		

9. Summary of Horticulture New Zealand responsibilities

All production sites	Taiwan only (additional requirements)	√
Receive applications for registration of exporters and their sub-agents.	Receive applications for registration of exporters. Note: Agents and sub-agents may not participate in the Taiwan programme - all exporters must be fully registered as exporters	
Forward registration details to MAFBNZ.		
Invoice exporters for fees based on tonnages exported by them and their sub-agents.	Invoice exporters for fees based on tonnages exported by them.	
Manage expenditure for compliance programme maintenance and market access activities approved by the Potato Export Access Committee.		

10. References

- Guidelines for the establishment of pest free places of production and pest free production sites. ISPM Publication No. 10. FAO, Rome, 1999
- Biosecurity New Zealand Export Certification Standards:
 - System Overview and Requirements
 - Organisation Requirements
 - Technical Requirements – Phytosanitary Inspection
 - Independent Verification Agency Requirements
 - Technical Requirements – Pest Survey
 - PEO.PIR
 - ICPR (Importing Countries Phytosanitary Requirements) for countries requiring PCN and potato wart additional declarations
 - Export Phytosanitary Certification Programme for Table Potatoes to Taiwan
 - BNZ Exports (Plants) Policy Directive “Surveillance for Potato Cyst Nematode” 13 December 2004.
 - EPPO 1998. Phytosanitary Procedures- *Globodera pallida* & *G. rostochiensis* Soil Sampling Methods. EPPO Standard PM 3/30 (1)

11. Key Contacts

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Appendix 1: 2009-2010 Export Potato Registration Application Forms

Obtain application forms from IVA or refer to the MAFBNZ website:

<http://www.biosecurity.govt.nz/forms/exports-potato-reg-form>

Appendix 2: Exemption of production sites from the PCN survey

MAFBNZ accepts that where a designated production site has not grown a solanaceous crop for at least 10 years and where PCN has never been recorded, surveys for PCN may not be required. Evidence that a production site has not grown a solanaceous crop for at least 10 years must be presented by the grower and is to include sets of farm maps and records for each site/year claimed, or equivalent, confirmed by statutory declaration.

This exemption is not available for production sites registered for export of potatoes to Taiwan.

1. Conditions to be met for the Survey Exemption

1.1 Grower Applicants

The eligibility of production sites to be exempted from survey requirements will be evaluated by the IVAs, on behalf of MAFBNZ. Growers must submit applications to the IVA at any time (note that applications for registration must still be completed as per section 3.2.1). Conditions for exemption are:

- The designated production site(s) has not grown a solanaceous crop for at least the previous 10 years.
- PCN has never been recorded from the designated production site(s).
- Potato wart has never been recorded from the production site(s).

The applicant (grower) must provide their nominated IVA with:

- A Statutory Declaration (refer attached format) confirming the designated production site(s) freedom from solanaceous crops for at least the previous 10 years.
- Map(s) of their designated production site(s) to which the Statutory Declaration relates.
- Records of crops grown on the proposed production site(s) for the previous 10 years.
- Supporting production records for that time period (e.g. production diaries).

1.2 Independent Verification Agencies (IVA)

1.2.1 Processing Grower Applications for the Exemption

On receipt of the above data in section 1.1 (i.e., records and Statutory Declaration) the IVA is to assess the grower supplied information for accuracy.

1.2.2 Information is confirmed as accurate:

Where the IVA is able to confirm the grower supplied information is accurate, the IVA can exempt the grower and qualifying production sites from having to undergo a physical survey for the presence/absence of potato cyst nematodes. The IVA confirmation of the information as being accurate provides an equivalent level of potato cyst nematode freedom as that that would be gained from undertaking a soil survey of the production site.

1.2.3 Information is not confirmed as accurate:

Where the IVA is not able to confirm that the grower supplied information is accurate, the IVA is to offer the grower the option of having the nominated production sites surveyed as per section 1 above.

Note: MAFBNZ may examine the grower supplied information (taking into account the IVA's advice) for preparing a case for prosecution under the *Oaths and Declaration Act 1957* if it is considered warranted.

