WORK PLAN

AUSTRALIAN APPLE EXPORTS TO JAPAN
2010

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Introduction

This Work Plan details the requirements for all participants exporting Australian grown apples to Japan.

The Work Plan incorporates the formal requirements of the export apples protocol as agreed between the Ministry of Agriculture, Forestry and Fisheries (MAFF) Japan and the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

The work plan is designed to be used by AQIS inspection staff and industry participants in the export of apples to Japan. Amendments to the content of this document may require agreement from MAFF prior to implementation. Some of the operational requirements may be subject to change. In the event of any changes, State Departments of Agriculture and Industry will be advised accordingly and this summary updated as required.

Requirements for exporting apples are included in this document for all participants: growers, pack houses, treatment facilities, load out facilities and AQIS officers.
Definitions and glossary

**APVMA**  
Australian Pesticides and Veterinary Medicines Authority

**AQIS**  
Australian Quarantine and Inspection Service, a division of DAFF

**AQIS officer**  
A person authorized under Section 20 of the *Export Control Act (1982)* to undertake export inspection and certification responsibilities.

**Block**  
Any grove of apple fruits which can be defined by set boundaries. A “block” can include adjacent areas of trees however, should any specific pests of quarantine concern be detected in any pre-harvest assessment, then all “blocks” that have been included in the sample will be deemed to have failed.

**CT Product**  
Concentration time (CT) product of methyl bromide achieved by the fumigation (mg/L)

**Consignment**  
A quantity of prescribed goods assembled or intended for export at the same time to a single overseas destination under a single Notice of Intention that requires phytosanitary certification

**DAFF**  
Australian Government Department of Agriculture, Fisheries and Forestry

**Designated Production Areas**  
Designated areas in Tasmania that are registered, have implemented trapping surveys for codling moth and conduct fresh fruit inspection

**EX28/EX222**  
Notice of intention to export given in accordance with the *Export Control (Plants and Plant Products) Orders 2005*.

**EXDOC**  
AQIS Electronic Export Documentation system

**Fruit Fly Secure**  
Means a package that has openings less than 1.6mm

**HEP**  
Horticulture Exports Program (Canberra)

**Inspection Lot**  
An amount of secure packaged products presented for inspection.

**IPM**  
Integrated Pest Management

**IPPC**  
International Plant Protection Convention of the Food and Agriculture Organisation of the United Nations

**Lot**  
A number of units of a specific prescribed good processed/packed in a 24 hour period that are homogeneous in nature/origin and form part of a consignment

**MAFF**  
Ministry of Agriculture, Forestry and Fisheries – Japan

**Medfly**  
Mediterranean fruit fly, *Ceratitis capitata*
**Work Plan – Australian Apple exports to Japan**

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tr>
<td>NPPO</td>
<td>National Plant Protection Organisation</td>
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<tr>
<td>Package</td>
<td>Is a carton, pallet or sea container that is fruit fly secure</td>
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<tr>
<td>Pantech</td>
<td>A type of truck with a rigid cargo enclosure, also known as a pantechnicon.</td>
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<tr>
<td>Pest</td>
<td>Any species, strain or biotype of plant, animal or pathogenic agent, injurious to plants or plant products</td>
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<td>Pest Free Area</td>
<td>An area in which a specific pest does not occur as demonstrated by scientific evidence and in which, where appropriate, this condition is being officially maintained.</td>
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<tr>
<td>Phytosanitary certificate</td>
<td>A certificate issued in accordance with Article V of the IPPC or at the request of a foreign country authority.</td>
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<td>Qfly</td>
<td>Queensland fruit fly, <em>Bactrocera tryoni</em></td>
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<td>Registered crop monitor</td>
<td>A person or company who is registered with the State Department of Agriculture to monitor conduct pest monitoring on apple fruit</td>
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<tr>
<td>RFP</td>
<td>Request for Permit. This is the electronic (EXDOC) form of the Notice of Intention to Export (EX28).</td>
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<td>State department officer</td>
<td>A person authorised/delegated under the relevant state legislation</td>
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<td>Treatment Lot</td>
<td>An amount of produce unit/s treated at one time in an individual chamber</td>
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<tr>
<td>ULD</td>
<td>Unit load device. An air freight cargo term for an air freight container.</td>
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<tr>
<td>USDA</td>
<td>United States Department of Agriculture</td>
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1 General requirements

This section summarises the requirements for exporting Australian apples to Japan. Detailed information about some sections is provided under specific headings later in this document.

All apples destined for export to Japan must be grown, fumigated and packed in the state of Tasmania.

A MAFF officer will confirm all disinfestations and inspections have been undertaken in compliance with the import requirements for Japan.

In order to facilitate inspection, MAFF requires 35 days notice prior to commencement of trade. When requesting a MAFF officer, industry must submit a written application to AQIS Canberra 35 days (minimum) before commencement of fumigation (Attachment 3). Requests must specify

- the intended date of commencement of fumigation/export;
- the intended date of completion, and
- the accommodation details and payment method.

Applications are processed in order of receipt.

Late applications may result in MAFF not being able to provide an officer for the requested dates.

Growers, pack houses, treatment providers and load out facilities must be registered with their regional AQIS office for the purpose of exporting apples to Japan.

AQIS will verify all requirements specified by this work plan are being complied with and will require corrective actions to be carried out if non-conformities are identified.

All costs associated with the delivery of this work plan (i.e. MAFF officer, AQIS inspections, verification etc.) are the responsibility of industry.

1.1 Import permit

An Import Permit is not required to export to Japan.

1.2 Regulations for all shipments

a) All apples destined for export to Japan are subject to mandatory fumigation.

b) All treatments must be monitored and approved by a MAFF officer.

c) A phytosanitary certificate (electronic or manual) is required to accompany every commercial shipment of treated apples to Japan. This certificate is to be verified and signed by AQIS and MAFF.

1.3 Permitted apple varieties

All varieties of apples from Tasmania are permitted to be exported to Japan.
1.4 Production areas
Apples must be grown, fumigated and packed in the State of Tasmania. Japan recognises that Tasmania is designated as an area:

i. Under intensive pest control against codling moth \(Cydia pomonella\) (L.)
ii. Free from Mediterranean fruit fly \(Ceratitis capitata\)
iii. Free from Queensland fruit fly \(Bactrocera tryoni\)

Note: If any stages (alive or dead), of Mediterranean or Queensland fruit fly are detected, AQIS Canberra must be notified immediately. In this event, all exports of apples to Japan will be suspended pending an investigation and advice from MAFF.

1.5 Quarantine pests
a) DAFF and MAFF have agreed that the following pests are of quarantine concern to Japan:

<table>
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<tr>
<th>Scientific name</th>
<th>Common name</th>
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<tr>
<td>Cydia pomonella (L.)</td>
<td>Codling moth</td>
</tr>
<tr>
<td>Bactrocera tryoni</td>
<td>Queensland fruit fly</td>
</tr>
<tr>
<td>Ceratitis capitata</td>
<td>Mediterranean fruit fly</td>
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b) During any inspection, should a pest be found that is not contained in the non-actionable pest list (Appendix 2), the pest will be regarded as actionable unless verified otherwise by MAFF.

1.6 Packaging and labeling requirements

To avoid possible difficulties with carton labelling, AQIS Canberra can submit proposed artwork for MAFF approval prior to a carton print run being ordered.

Japan Regulations do not specify a lettering size to constitute what is “easily identifiable”. It is strongly recommended that carton wording err on the size of being too large, rather than too small.

The following packing and labeling requirements are mandatory for the export of treated apples to Japan:

a) Packaging cartons must be new and clean and made from either new or recycled materials.

b) All trade description requirements applied must be in accordance with Export Control (Plants and Plant Products) Orders 2005.

c) Each packaging carton must have markings to enable traceability to specific growers.

d) Each package must have markings to enable traceability to specific treatment lots.

e) If cartons are to be sent as packages:
a) Each carton or packing tray must be manufactured and packed to ensure there are no gaps or open corners through which codling moth or other insects can enter. Any gaps or holes larger than 1.6mm must be taped over or covered with a mesh screen with a diameter of 1.6mm or less.

b) If ventilated cartons or trays are being used, one of the following criteria must be met:

i. If cartons/trays are of two piece (telescopic) design, the base of the carton will be secured to the top by the use of tape.

ii. If cartons/trays are of a single unit design, application of tape will be made over the top and bottom opening joins of the package.

f) Each carton, palletised carton or container loaded with cartons (sea freight only) must have the words ‘PLANT QUARANTINE AUSTRALIA’ in a clearly visible position. The labelling format is as follows:

   i. **PLANT QUARANTINE AUSTRALIA**

   OR

   ii. **PLANT QUARANTINE AUSTRALIA**


The formatting i.e. CAPITILISATION and placement of words must be followed exactly.

It is recommended the exposed side of a carton or pallet is used to position the labelling.

h) Wooden packaging used for exporting apples to Japan must be compliant with ISPM 15 requirements. Information is available on the AQIS public website (www.aqis.gov.au) under the “Hot Topics at AQIS” section.

### 1.7 Occupational Health and Safety responsibilities

AQIS is committed to maintaining high standards in occupational health and safety in the workplace.

All participants in the apple export program have a duty of care to take all reasonably practical steps to ensure a healthy and safe work environment.

Officers authorised by the Department of Agriculture Fisheries and Forestry must ensure that all on site health and safety precautions are followed when entering a premise.
2 Grower requirements
This section provides the requirements for growers taking part in exporting Australian apples to Japan.

2.1 AQIS registration

a) All growers intending to export apples to Japan must be registered, inspected and approved by AQIS on an annual basis.

b) Registration forms should be submitted no later than 6 weeks prior to export (Attachment 1).

c) Growers may register more than one orchard. Where more than one orchard is to be registered, an in-field map identifying each individual block must be included with the registration form.

Applications are processed in order of receipt; late applications may be subject to delay.

2.2 Pest management

a) Japan requires Tasmanian apple production areas to undertake intensive pest control measures against codling moth.

b) It is recommended apple orchards are regularly inspected by registered crop monitors for the presence of codling moth. Recommended controls against codling moth must be implemented following advice from crop monitors.

c) Growers must undertake regular routine field control programs to manage codling moth. Growers are encouraged to contact relevant state departments regarding in-field controls for apples being exported to Japan.

2.3 Documentation and record keeping

Growers are responsible for maintaining all documentation and must provide to AQIS the following upon request:

i. Grower registration form (Attachment 1).

ii. Records of field controls and monitoring, including spray records.

iii. Documented system enabling traceability to orchards
3 Packhouse requirements

This section provides the requirements for pack houses taking part in the export of Australian apples to Japan.

3.1 Registration

a) All pack houses intending to export apples to Japan must be registered with AQIS annually. Annual registration will include an inspection by AQIS to ensure the establishment meets details described in Export Control (Plants and Plant Products) Orders 2005 and the requirements of the Japan protocol.

b) In addition to AQIS registration, pack houses are required to submit a Japan registration form to AQIS (Attachment 2).

c) Pack house inspections may be conducted in conjunction with other registration requirements (i.e. pack house and treatment facility inspections).

Applications are processed in order of receipt; late applications may be subject to delay.

3.2 Facility requirements

Pack houses are responsible for sourcing fruit from growers registered with AQIS for the purpose of exporting apples to Japan. It is advisable pack houses co-ordinate grower registration to ensure all are registered. Pack houses will make available a list of registered growers upon AQIS and MAFF request.

3.3 Hygiene requirements

a) Pack house hygiene is part of the standard AQIS registration requirements listed in the Export Control (Plants and Plant Products) Orders, 2005. Premises must be kept in a clean and sanitary condition at all times and extraneous waste removed at least daily.

b) Pack houses must keep records of hygiene and cleaning programs for verification purposes.

3.4 Documentation and record keeping

Pack houses are responsible for maintaining all documentation and must provide to AQIS the following upon request:

i. AQIS approved premise registration

ii. Pack house registration forms (Attachment 2)

iii. Hygiene and pest control records

iv. List of registered growers that pack houses intend to source apples from

v. Documented system enabling traceability to orchards
4 Treatment facility requirements
This section provides the requirements for facilities undertaking fumigation of apples to Japan. Fumigation is mandatory for all apples being exported to Japan to disinfest against codling moth.

For the purpose of this work plan, a treatment facility must be comprised of an approved treatment chamber for fumigation and a secure area for the apples following treatment until export.

Only apples that have successfully undergone fumigation will be permitted entry into the secure area of the treatment facility.

Australia’s Commonwealth and State governments impose various requirements to ensure that all operators of fumigation facilities operate in a safe and efficient manner. Each facility must meet all of their obligations under Commonwealth and State legislation.

The requirements of this work plan are additional to a fumigation company’s obligations to any Commonwealth or State legislation including label directions of the fumigant. If there is any supposed contradiction between the requirements of this work plan and the legislated requirements for a fumigator, AQIS Canberra is to be contacted immediately.

4.1 Registration

a) Treatment facilities intending to export apples to Japan must be registered, inspected and approved by AQIS on an annual basis and are subject to an individual audit by MAFF each export season. Annual AQIS registration will ensure the establishment meets details described in Export Control (Plants and Plant Products) Orders 2005.

b) In addition to AQIS registration, treatment facilities are required to submit a registration form (Attachment 3) to AQIS prior to each export season.

c) AQIS will conduct inspections of registered treatment facilities prior to commencement of each export season. If applicable, these inspections may be conducted in conjunction with other registration requirements (i.e. pack house and treatment facility inspections).

d) Details of all fumigation chambers and the plans of the fumigation facility are to be supplied to and retained by AQIS Tasmania.

Applications are processed in order of receipt; late applications may be subject to delay.

4.2 AQIS/MAFF inspection

a) Prior to each export season, the facility must be inspected by MAFF.

b) An AQIS and MAFF officer must monitor all fumigations.

4.3 Facility requirements

Treatment facilities must meet the following requirements:
a) Disinfested by insecticide annually before initial operation and as deemed necessary by AQIS and MAFF each season.

b) All windows and any other openings to the treatment area will be screened (maximum opening 1.6mm), in order to prevent entry and infestation by codling moth and other insect pests.

c) Entry and exit facilities to the secure treatment environment must have systems in place to reduce the entry of quarantine pests (i.e. air lock doors or double door entry system).

d) An AQIS and MAFF officer must be present to supervise the loading of the treatment chamber/s. Chamber doors cannot be opened until an AQIS and MAFF officer provides authority to the fumigation facility operator.

e) Facilities must have fumigation equipment in accordance with the requirements listed in Section 5.

### 4.4 Hygiene program

a) Treatment facility hygiene is part of the standard AQIS registration requirements listed in the Export Control (Plants and Plant Products) Orders 2005. Premises must be kept in a clean and sanitary condition at all times and extraneous waste removed at least daily.

b) Treatment facilities must keep records of hygiene and cleaning programs for verification purposes.

### 4.5 Documentation and record keeping

Treatment facilities are responsible for maintaining all documentation and must provide to AQIS the following upon request:

i. Copy of AQIS approved registration

ii. Copy of registration form (Attachment 3)

iii. Records of all apples loaded into each chamber

iv. Despatch records for each chamber and treatment lot

v. Calibration records of chamber

vi. Treatment records

vii. Documented system enabling traceability to orchards

viii. Maintenance records of all equipment

ix. Records of annual disinfestation
5 Methyl bromide fumigation

5.1 General information

The purpose of methyl bromide fumigation is to disinfest apples of all stages of live codling moth. However, the effectiveness of fumigation sometimes varies according to the amount of fruit treated and sorption by other materials in the fumigation chamber such as packing materials. The CT product accounts for these variations and is used as a measure of fumigation effectiveness. Fumigation is mandatory for all apple exports to Japan.

a) The whole treatment process shall take a minimum of two hours.

b) The treatment process must be carried out in accordance with Section 5.2.

c) All fumigations must be performed with the amount of product space equal to or less than 53% of total air space within the chamber.

d) Gas concentration measurements shall be taken from the upper, middle and lower levels of the chamber to ensure gas has been distributed equally.

e) In case of fumigating packed apples, sufficient gas permeability shall be ensured.

f) An AQIS and MAFF officer shall monitor the treatment process.

g) Apples shall be kept in the fumigation chamber/s during the whole treatment process.

5.2 Fumigation treatment schedule

Fumigation shall be conducted according to the following methods:

i. The minimum dose rate for introduction of methyl bromide will be 48g/m³.

ii. Fruit pulp temperature shall be 17 ºC or higher.

iii. The period of fumigation shall be 2 hours or longer.

iv. The CT product for methyl bromide will be 76.4 or more. Fumigation can be extended if the CT product is less than 76.4. Refer to Appendix 1 for the CT product calculation and example.

v. Gas concentration measurements shall be taken from the upper, middle and lower level of the chamber to assess the evenness of distribution of the gas within the chamber.

5.3 Requirements for fumigation chambers

a) The chamber must be airtight. Gas concentration will decrease during the course of the fumigation because of sorption by the fruit and packing materials.

b) The walls must be made from a non-absorbent material.

c) Facilities must include a device for effectively dispensing methyl bromide (i.e. a heat exchanger).
d) There must be a means to introduce fumigants from outside of the chamber.

e) The chamber must be provided with equipment that can evenly distribute the gas concentration within the chamber (i.e. a fan of sufficient capacity) and quickly dispel the gas at the completion of treatment.

f) There must be a MAFF approved apparatus to enable measurement of the gas concentration inside the chamber at low, middle and upper heights during fumigation.

g) The chamber must be fitted with equipment capable of monitoring the temperature in the fumigation chamber from outside, at any time. For example:

- Thermocouple wire
- Temperature recording probe
- Computerized data recorder

h) Temperature probes (pulp and air) shall be National Association of Testing Authorities Australia (NATA) (or similar standard) approved equipment.

i) Equipment for the fumigation of apples must be constructed, tested, maintained and operated in accordance with relevant local government, State, Territory and Commonwealth regulations.

j) The doors to the treatment chamber shall be locked after loading and sealed to the satisfaction of AQIS.

5.4 Calibration of the fumigation chamber

a) Calibration of the chamber will be supervised by AQIS and MAFF officers prior to the first treatment of each season.

b) Confirmation of the gas-tightness of the chamber/s will be conducted by AQIS and MAFF. This may be done by either of the following two options.

i. Fill the empty chamber with 10g/m³ of methyl bromide calculated on the inner space of the chamber.

ii. The mean value of the measured gas concentration in the upper, middle and the lower spaces at the end of 48 hours after introduction of the fumigant into the chamber must not be less than 70% of the initial dosage.

OR

Raise the internal pressure of the chamber to 50mm on a kerosene nanometer. The level of the nanometer must not drop more than 5 millimetres in 22 seconds.

c) A copy of the option chosen and calibration results are to be retained and provided to AQIS and MAFF upon request.
d) Gas detectors with a minimum increment of 5mg/L will be used to measure methyl bromide concentrations. Any gas detector unable to display within 5mg/L must be replaced.

e) Gas detectors must be certified in the form of a valid NATA certificate. A copy of the certificate must be made available to MAFF and AQIS upon request.

5.5 Placement of gas monitoring tubes

Monitoring tubes are to be installed in the upper, middle and lower levels of the chamber.

5.6 Completion of treatment procedures

a) The treatment lot/s will be verified by AQIS and MAFF providing results are consistent with the treatment parameters specified in Section 5.1 and 5.2.

b) Upon completion of treatment, AQIS and MAFF will endorse the fumigation record (Refer to Attachment 4).

5.7 Continuation of a failed treatment

If the CT product falls below 76.4, treatment may continue until the correct parameters are met (Section 5.2). Where the CT product is less than the required value, fumigation can be extended by using the calculation provided in Appendix 1. The calculation answer is to be rounded up to the nearest 5 minutes.

Failed treatment lots (i.e. exporter chooses not to extend time, does not meet parameters outlined in Section 5.2) must not enter the secure area of the treatment facility. The failed goods must exit via the non-secure pathway. Documentation of failed treatments must be retained and provided to AQIS AND MAFF upon request.

5.8 Storage of disinfested apples

Storage of treated apples is permitted under the following conditions:

a) May be stored in the treatment chamber providing the doors remain sealed and approved measures are taken to ensure door/s into the non-secure areas cannot be opened.

b) Stored (loose or packed) in the secure area of the treatment facility.

c) Packed and sealed apple cartons which have passed quarantine inspection may be transferred to other registered premises for storage or loading into containers providing cartons are adequately sealed against re-infestation or cross contamination by codling moth or other pests. All registered premises participating in export of apples to Japan must designate a storage area exclusively for treated apples.

d) Full details of the treated consignment lot will be included on a transfer certificate (EX 186) and/or phytosanitary certificate (electronic or manual).

e) Load out facilities are to provide a documented pathway to the AQIS regional office detailing the consignment lot pathway from treatment to load out facility. The
documented system is to be approved by the Senior Officer (Exports) in each region prior to commencement of export.

f) Treatment and storage facilities must maintain a documented stock control system to enable traceability to the grower.
6 Export inspection
An AQIS and MAFF officer will jointly perform a 5% inspection (rounded up to the nearest whole carton) of total cartons for each inspection lot as presented on an EX28/RFP after apples have been successfully treated and verified.

6.1 Time of inspection for apples subject to fumigation
a) A valid and current EX28/RFP must be sighted by AQIS and MAFF before commencement of inspection.
b) AQIS and MAFF officers will only inspect apples that have been treated and packed for export.
c) Cartons of fruit are to be checked to be free of residual methyl bromide by the use of an approved monitor.
d) Inspection will include verification of compliance with packaging and labelling requirements (Section 1.5).
e) During any inspection, should a pest be found that is not contained in the non-actionable pest list (Appendix 2), the pest will be regarded as actionable unless verified otherwise by MAFF.

6.2 Rejection and suspension criteria

6.2.1 Detection of quarantine pests
a) If any stages of live codling moth (Section 1.4) are found during inspection after fumigation, no further treatments will be conducted until the cause and corrective actions are agreed between AQIS and MAFF.
b) If any stages, alive or dead, of Mediterranean or Queensland fruit fly are detected, AQIS Canberra must be notified immediately.

6.3 Reconditioning
Appropriate reconditioning shall be permitted for inspection lots that contain live pests (except any stages of quarantine fruit flies listed in Section 1.4). After reconditioning, the inspection lot must be re-inspected and found free from any stages of live pests before a phytosanitary certificate (electronic or manual) can be certified.
7 Phytosanitary certification

7.1 General information

a) Phytosanitary certificates are required to be completed in accordance with procedures set out in the Phytosanitary Certificate Completion (Exports) Work Instruction. This document is available on the AQIS website (www.aqis.gov.au).

b) Following successful treatment and inspection, a phytosanitary certificate (electronic or manual) will be signed and stamped by an AQIS and MAFF officer (See Appendix 3).

c) For sea freight consignments, the container and seal number must be recorded on the phytosanitary certificate. Only an approved DAFF seal can be used (See Appendix 4).

d) The AQIS establishment number of the packhouse. This must be entered into the “shipping marks” section of the EXDOC Request For Permit (RFP) and be in the format of: PACKHOUSE NO: 0000

7.2 Disinfested apples treatment declarations

All apples being exported to Japan must have undergone mandatory fumigation to disinfest against listed quarantine pests (Section 1.4). The following information must be inserted into the DISINFESTATION AND/OR DISINFESTATION TREATMENT section (Section 20) on the phytosanitary certificate (electronic or manual):

i. Type of treatment (Section 22)

ii. Treatment temperature (Section 25).

iii. Duration of treatment/s (Section 25).

iv. Date of treatment/s (Section 21).

v. Treatment lot number/s (Section 26)

Note: An AQIS officer must sight valid treatment records to endorse a phytosanitary certificate.

7.3 Additional declarations

The following additional declarations are to be included in Section 27 of the phytosanitary certificate:

1) The fruits covered by this certificate have been inspected and found free of Codling moth and other injurious pests and diseases.
8  AQIS responsibilities

This section serves as a summary of the responsibilities for AQIS officers. All of this information is contained under the applicable section, but is compiled here for easy reference.

8.1 Participant registration

AQIS will register all growers, pack houses, treatment providers and load out facilities fumigating apples for export to Japan prior to the commencement of each season.

AQIS will keep a list of export registered pack houses and orchards.

8.1 AQIS verification

AQIS will verify all requirements specified by this work plan are being complied with and will require corrective actions to be carried out if non-conformities are identified.

8.3 Fumigation

AQIS officers are required to undertake the following duties:

a) Supervise calibration of treatment chamber

b) Monitor all fumigation treatments.

c) Approve and endorse fumigation certificates (Attachment 4).

8.4 Inspection

a) An AQIS officer must sight a current and valid EX28/RFP before inspection commences.

b) An AQIS officer will perform a 5% inspection of total cartons (rounded up to the nearest whole carton) for each inspection lot (as presented on an EX28/RFP) after apples have been successfully treated and verified.

c) Treated apples must be inspected for freedom from all quarantine pests (Section 1.4) and any other injurious pests and diseases.

d) Packaging must be checked during the inspection for compliance with requirements outlined in Section 1.5.

8.5 Loading of containers

a) AQIS officers will monitor the post treatment security of export apples to Japan.

b) All containers (sea and airfreight) must be thoroughly inspected for cleanliness before loading, to ensure they are clean and free of insects and other contaminants.
c) The doors sea freight containers must be sealed by AQIS immediately after completion of loading, and will not be opened until import inspection in Japan.

d) If the consignment lot is travelling interstate for loading, a transfer certificate is to be used. Full details of the consignment lot will be included on a transfer certificate (EX186) and/or phytosanitary certificate.

e) Relevant container and seal numbers must be included on the accompanying phytosanitary certificate (electronic or manual).
9 Load out facility responsibilities

This section provides the requirements for load out facilities receiving, distributing and storing export apples to Japan. Post treatment security is imperative for all apples being exported to Japan to prevent re-infestation of pests and substitution of product.

9.1 Facility requirements

a) Load out facilities exporting apples to Japan will be an AQIS registered establishment. Annual registration will ensure the establishment meet details described in Export Control (Plants and Plant Products) Orders 2005.

b) Facilities will include a documented system detailing measures to ensure re-infestation of consignment lots and substitution of product does not occur.

9.2 Hygiene program

a) Load out facility hygiene is part of the standard AQIS registration requirements listed in the Export (Plants and Plant Products) Orders 2005. Load out facilities must be kept in a clean and sanitary condition at all times and extraneous waste removed at least daily.

b) Load out facilities must keep records of hygiene and cleaning programs for verification purposes.

9.3 Documentation and record keeping

Load out facilities are responsible for maintaining all documentation and must provide to AQIS the following upon request:

- Copy of AQIS registration;
- Copies of relevant export documentation (i.e. Transfer certificate, phytosanitary certificate);
- Despatch/receival records for each consignment lot.
10 Import inspections

a) All documentation will be checked on arrival prior to MAFF inspecting the consignment lot.

b) All consignments are subject to an inspection on arrival in Japan.

c) Consignments may be destroyed or returned to Australia at the discretion of MAFF in the event that:
   i. Interception of quarantine pests (Section 1.4)
   ii. Phytosanitary certificate has not been endorsed by AQIS and MAFF officers.
   iii. Shipping container is damaged or missing DAFF seal.
   iv. Consignment is not correctly labelled and packed.
   v. Package/s are damaged or opened.

d) If live codling moth is discovered during the import inspection, the following measures may be taken:
   i. All of the fruit in the lot will be destroyed or returned; and
   ii. The cause of the codling moth will be investigated jointly by AQIS and MAFF. Import inspections may be suspended until the cause is clarified.

Any corrective measures will be paid for by the Australian export apple industry.
11 Auditing

11.1 MAFF

a) MAFF reserves the right to audit quarantine pest management and export procedures in Australia.

b) All expenses relating to a MAFF audit must be met by industry.

11.2 AQIS

a) If the program is suspended by MAFF because of interception of a pest of quarantine concern, or any irregularity, the program will remain suspended until AQIS and MAFF are satisfied the cause of the non-conformance has been identified and suitable corrective measures have been implemented.

b) The full cost of any AQIS audit will be borne by industry.

c) AQIS will carry out audits to ensure compliance with the work plan.
Appendix 1  CT product calculation

It must be confirmed that the CT product is at or above 76.4,
Gas concentrations shall be taken at three positions in the chamber (upper, middle and lower)
and the average of these figures shall be used.

The concentration of methyl bromide in the chamber, which is indicated as mg/L, and the
duration of fumigation (CT product) shall be calculated as follows:

\[ \text{CT product (mg x h/L)} = \frac{(7.5C_{15} + 22.5C_{30} + 45C_{60} + 30C_{120})}{60} \]

For example:

After 15 minutes of fumigation gas concentrations taken from the 3 positions = 50,50,50
Average concentration value = 50.0

After 30 minutes of fumigation gas concentrations taken from the 3 positions = 50,48,47
Average value of concentration = 48.3

After 60 minutes of fumigation gas concentrations taken from the 3 positions = 47,45,44
Average value of concentration = 45.3

After 120 minutes of fumigation gas concentrations taken from the 3 positions = 46,46,44
Average value of concentration = 45.3

Therefore calculation is:

\[ \text{CT product} = \frac{(7.5 \times 50.0 + 22.5 \times 48.3 + 45 \times 45.3 + 30 \times 45.3)}{60} \]

\[ = \frac{375.0 + 1086.8 + 2038.5 + 1359.0}{60} \]

\[ = \frac{4859.3}{60} \]

CT product = 81

This treatment would be accepted as the CT product is greater than 76.4

When CT product calculated is less than 76.4, then the fumigation can be extended using the
following formula:

Extension of time (minutes) = 60 \( \frac{(76.4 – \text{CT product})}{C_{120}} \)

If the CT product calculation = 70 and the last average reading was 30

Extension of time (minutes) = 60 \( \frac{(76.4 – 70)}{30} \)

\[ = 60 \times 6.4 /30 \]

\[ = 12.8 \text{ minutes} \]

Extension time would be 15 minutes (rounded up to nearest 5 minutes).
### Appendix 2  Japan pest list

( amended by Japan MAFF in SPS notification SPS/N/JPN/132 )

**Newly designated non-quarantine pests**

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Common name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insects</td>
<td></td>
</tr>
<tr>
<td>Abraxas miranda</td>
<td>Magpie moth</td>
</tr>
<tr>
<td>Acrothinium gaschkevitchii</td>
<td></td>
</tr>
<tr>
<td>Anomoneura mori</td>
<td>Mulberry sucker</td>
</tr>
<tr>
<td>Antonina crawii</td>
<td>Cottony bamboo scale</td>
</tr>
<tr>
<td>Aonidiella aurantii</td>
<td>California red scale</td>
</tr>
<tr>
<td>Aonidiella citrina</td>
<td>Yellow scale</td>
</tr>
<tr>
<td>Aphrophora flavipes</td>
<td>Pine froghopper</td>
</tr>
<tr>
<td>Arge nigrinodosa</td>
<td>Rose argid sawfly</td>
</tr>
<tr>
<td>Arge nipponensis</td>
<td>Rose argid sawfly</td>
</tr>
<tr>
<td>Arge pagana</td>
<td>Rose argid sawfly</td>
</tr>
<tr>
<td>Arge similis</td>
<td>Azalea argid sawfly</td>
</tr>
<tr>
<td>Aulacaspis rosae</td>
<td>Rose scale</td>
</tr>
<tr>
<td>Balataea funeralis</td>
<td>Bamboo zygaenid</td>
</tr>
<tr>
<td>Cassida nebulosa</td>
<td>Beet tortoise beetle</td>
</tr>
<tr>
<td>Chrysolina aurichalcea</td>
<td></td>
</tr>
<tr>
<td>Chrysomela populi</td>
<td>Red poplar leaf beetle</td>
</tr>
<tr>
<td>Chrysomphalus bifasciculatus</td>
<td>Bifasciculate scale</td>
</tr>
<tr>
<td>Chrysomphalus ficus</td>
<td>Florida red scale</td>
</tr>
<tr>
<td>Earías roseifera</td>
<td>Azalea rough bollworm</td>
</tr>
<tr>
<td>Gastrolina depressa</td>
<td>Walnut leaf beetle</td>
</tr>
<tr>
<td>Glyphodes perspectalis</td>
<td>Box-tree pyralid</td>
</tr>
<tr>
<td>Graphosoma rubrolineatum</td>
<td>Red-striped stink bug</td>
</tr>
<tr>
<td>Heliothrips haemorrhoidalis</td>
<td>Greenhouse thrips</td>
</tr>
<tr>
<td>Hemiberlesia lataniae</td>
<td>Latania scale</td>
</tr>
<tr>
<td>Kernococcus nakagawae</td>
<td>Oak globular scale</td>
</tr>
<tr>
<td>Lepidosaphes pini</td>
<td>Pine oystershell scale</td>
</tr>
<tr>
<td>Notarcha derogata</td>
<td>Cotton leafroller</td>
</tr>
<tr>
<td>Palpita nigropunctalis</td>
<td>Lilac pyralid</td>
</tr>
<tr>
<td>Pantomorus cervinus</td>
<td>Fuller's rose weevil</td>
</tr>
<tr>
<td>Phytoecia rufiventris</td>
<td>Chrysanthemum longicorn beetle</td>
</tr>
<tr>
<td>Pryeria sinica</td>
<td>Pellucid zygaenid</td>
</tr>
<tr>
<td>Pyrrhalta fuscipennis</td>
<td></td>
</tr>
<tr>
<td>Pyrrhalta maculicollis</td>
<td></td>
</tr>
<tr>
<td>Schizotetranychus celarius</td>
<td>Bamboo spider mite</td>
</tr>
<tr>
<td>Stephanitis pyrioides</td>
<td>Azalea lace bug</td>
</tr>
<tr>
<td>Stephanitis takeyai</td>
<td></td>
</tr>
<tr>
<td>Syrissa similis</td>
<td>Rose stem sawfly</td>
</tr>
<tr>
<td>Tetranychus urticae</td>
<td>Two-spotted spider mite</td>
</tr>
<tr>
<td>Theretra japonica</td>
<td></td>
</tr>
<tr>
<td>Thrips tabaci</td>
<td>Onion thrips</td>
</tr>
<tr>
<td>Udonomeiga vicinalis</td>
<td>Aralia leafroller</td>
</tr>
<tr>
<td>Scientific name</td>
<td>Common name</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Uhlerites debilis</td>
<td>Chestnut lace bug</td>
</tr>
<tr>
<td><strong>Fungi</strong></td>
<td></td>
</tr>
<tr>
<td>Appendiculella calostroma</td>
<td>Sooty mold</td>
</tr>
<tr>
<td>Armatella litseae</td>
<td>Black mildew</td>
</tr>
<tr>
<td>Asteridiella rhaphiolepidis</td>
<td>Black mildew</td>
</tr>
<tr>
<td>Asterina daphniphylli</td>
<td>Black mildew</td>
</tr>
</tbody>
</table>

**Newly designated quarantine pests** (see note below)

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Common name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neomyzus circumflexus *</td>
<td>Mottled arum aphid</td>
</tr>
<tr>
<td>Pseudococcus longispinus *</td>
<td>Long-tailed mealybug</td>
</tr>
</tbody>
</table>

* Note: These two pests are only quarantinable if they are found on nursery stock. They are not considered quarantinable if found on fruits, vegetables or cut flowers.
Appendix 3  Application for Grower registration

APPLICATION FOR GROWER / ORCHARD REGISTRATION FOR THE EXPORT OF AUSTRALIAN APPLES TO CHINA / JAPAN / TAIWAN / USA

ORCHARD NAME

PROPERTY ADDRESS

CONTACT DETAILS

Name:  
E-mail address:  
Postal-Business address:

Postcode:

MAP OF ORCHARD ATTACHED / PROVIDED

YES:  
NO:

NOMINATED PACKHOUSE(s) (please list):

AQIS Reg. Est. No.

AQIS Reg. Est. No.

DECLARATION

I/we, ................................................................. hereby apply for registration to produce:

(please tick the appropriate box(es):

☐  Applies to China as required under the Conditions for Import of Apples from Tasmania to China as agreed between the General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) of the People's Republic of China National Plant Quarantine Service and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

☐  I have read the 2010 China Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to growers. I will undertake application of regular and routine orchard pest control programs, including the keeping of spray records to ensure that quarantine pests of concern to China are adequately managed, in follow advice provided by commercial crop monitors.

☐  Applies to Japan as required under the Conditions for Import of Apples from Tasmania to Japan as agreed between the Japanese Ministry of Agriculture, Forestry and Fisheries (MAFF) and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

☐  I have read the 2010 Japan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to growers. I will undertake application of regular and routine orchard pest control programs, including the keeping of spray records to ensure that quarantine pests of concern to Japan are adequately managed, in follow advice provided by commercial crop monitors.

☐  Applies to Taiwan as required under the Conditions for Import of Apples from Australia to Taiwan as agreed between the Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ) - Taiwan and the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

☐  I have read the 2010 Taiwan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to growers. I will undertake application of regular and routine orchard pest control programs, including the keeping of spray records to ensure that quarantine pests of concern to Taiwan are adequately managed, in follow advice provided by commercial crop monitors.

☐  Applies to USA as required under the Conditions for the Import of Apples from Australia to the USA as agreed between the Plant Health Inspection Service (PHIS) of the United States Department of Agriculture (USDA) and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

☐  I have read the 2010 USA Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to growers. I will undertake application of regular and routine orchard pest control programs, including the keeping of spray records to ensure that quarantine pests of concern to the United States of America are adequately managed.

I acknowledge that failure to comply with the aforementioned conditions and restrictions may lead to suspension or cancellation of said registration.

☐  I agree that the information contained in this form may be released by AQIS to relevant industry bodies so that these bodies can be aware of which orchards and entities are eligible to export their products overseas. I also understand and agree that relevant industry bodies may display such information on their websites.

I understand that giving false or misleading information is a serious offence (Criminal Code Act 1995, Division 137.1)

GROWER

(Printed name)

SIGNATURE

DATE

WITNESS

(Printed name)

SIGNATURE

DATE

Date Approved by AQIS (if applicable):  
Stamp/Seal  
Allocated Registration No:

Name of AQIS Officer:  
Officer Signature:

A copy of this form is to be fixed to and retained by (1) local AQIS office and (2) nominated Packhouse(s)

Version 2010
Appendix 4  Application for Packhouse registration

Australian Government

Australian Quarantine and Inspection Service

APPLICATION FOR PACKHOUSE REGISTRATION FOR THE EXPORT OF
AUSTRALIAN APPLES TO CHINA / JAPAN / TAIWAN / USA

<table>
<thead>
<tr>
<th>PACKHOUSE NAME</th>
<th>AQIS Reg. Est. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPERTY ADDRESS</td>
<td>Postcode:</td>
</tr>
<tr>
<td>CONTACT DETAILS</td>
<td>Postcode:</td>
</tr>
<tr>
<td>Name:</td>
<td>Ph (__)</td>
</tr>
<tr>
<td>E-mail address:</td>
<td></td>
</tr>
<tr>
<td>Postal/Business address</td>
<td></td>
</tr>
</tbody>
</table>

DECLARATION

I/We, ........................................................................................................................................ hereby apply for registration to pack:

(please tick the appropriate box(s):

☐ Apples to China as required under the Conditions for Import of Apples from Tasmania to China as agreed between the General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) of the People’s Republic of China; National Plant Quarantine Service and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 China Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to packhouses. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to China are adequately managed.

☐ Apples to Japan as required under the Conditions for Import of Apples from Tasmania to Japan as agreed between the Japanese Ministry of Agriculture, Forestry and Fisheries (MAFF) and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 Japan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to packhouses. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to Japan are adequately managed.

☐ Apples to Taiwan as required under the Conditions for Import of Apples from Australia to Taiwan as agreed between the Bureau of Animal and Plant Health Inspection And Quarantine (BAPHIQ) - Taiwan and the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 Taiwan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to packhouses. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to Taiwan are adequately managed.

☐ Apples to USA as required under the Conditions for the Import of Apples from Australia to the USA as agreed between the Animal and Plant Health Inspection Service (APHIS) of the United States department of Agriculture (USDA) and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 USA Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to packhouses. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to the United States of America are adequately managed.

I acknowledge that failure to comply with the aforementioned conditions and restrictions may lead to suspension or cancellation of said registration.

☐ I agree that the information contained in this form may be released by AQIS to relevant industry bodies so that those bodies can be aware of which horticultural entities are eligible to export their products overseas. I also understand and agree that relevant industry bodies may display such information on their websites.

I understand that giving false or misleading information is a serious offence (Criminal Code Act 1995, Division 137.1).

<table>
<thead>
<tr>
<th>PACKHOUSE (Printed name)</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITNESS (Printed name)</td>
<td>SIGNATURE</td>
<td>DATE</td>
</tr>
</tbody>
</table>

Date Approved by AQIS (if applicable):  
Stamp/ Seal:  

Name of AQIS Officer:  
Officer Signature:  

A copy of this form is to be faxed to the local AQIS office.
Appendix 5  Application for Treatment facility registration

APPLICATION FOR TREATMENT FACILITY REGISTRATION FOR THE EXPORT OF AUSTRALIAN APPLES TO CHINA / JAPAN / TAIWAN

TREATMENT FACILITY NAME

PROPERTY ADDRESS

CONTACT DETAILS

Name: 
E-mail address: 
Postal/Business address: 
Postcode:

TREATMENT TYPE

☐ FUMIGATION
☐ COLD DISINFESTATION

DECLARATION

We, .......................................................... hereby apply for registration to treat:

☐ Apples to China as required under the Conditions for Import of Apples from Tasmania to China as agreed between the General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) of the People’s Republic of China National Plant Quarantine Service and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 China Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to fumigation treatment facilities. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to China are adequately managed.

☐ Apples to Japan as required under the Conditions for Import of Apples from Tasmania to Japan as agreed between the Japanese Ministry of Agriculture, Forestry and Fisheries (MAFF) and Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 Japan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to fumigation treatment facilities. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to Japan are adequately managed.

☐ Apples to Taiwan as required under the Conditions for Export of Apples from Australia to Taiwan as agreed between the Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ) — Taiwan and the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF).

I have read the 2010 Taiwan Work Plan and agree to be bound by the conditions and restrictions contained therein as they apply to fumigation treatment facilities and/or cold disinfection treatment facilities. I will undertake application of regular and routine hygiene pest control programs, including the keeping of records to ensure that quarantine pests of concern to Taiwan are adequately managed.

I acknowledge that failure to comply with the aforementioned conditions and restrictions may lead to suspension or cancellation of said registration.

I agree that the information contained in this form may be released by AQIS to relevant industry bodies so that these bodies can be aware of which horticultural entities are eligible to export their products overseas. I also understand and agree that relevant industry bodies may display such information on their websites.

I understand that giving false or misleading information is a serious offence (Criminal Code Act 1995, Division 137.1).

REPRESENTATIVE NAME
(Printed name)
SIGNATURE
DATE

WITNESS
(Printed name)
SIGNATURE
DATE

Data Approved by AQIS (if applicable):
Stamp/Seal:

Name of AQIS Officer: 
Officer Signature: 

A copy of this form is to be faxed to (1) local AQIS office and (2) nominated Packhouse

Page 1
APPLICATION FOR TREATMENT FACILITY REGISTRATION FOR THE EXPORT OF AUSTRALIAN APPLES TO CHINA / JAPAN / TAIWAN

Note: Calibration of fumigation chambers applies to Apples to Taiwan only

<table>
<thead>
<tr>
<th>TREATMENT FACILITY NAME</th>
<th>AQIS Reg. Est. No.</th>
</tr>
</thead>
</table>

The specifications of the fumigation chamber to be used to treat shipments are as follows:

**Internal Dimensions of Chambers:** Approximately:

<table>
<thead>
<tr>
<th>Height</th>
<th>Length</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room Capacity:</td>
<td>cubic metres (m³)</td>
<td></td>
</tr>
<tr>
<td>Floor Area:</td>
<td>square metres (m²)</td>
<td></td>
</tr>
<tr>
<td>Fan / Air Circulation:</td>
<td>units per room</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Fixed</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removable</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

**Temperature Monitoring Equipment:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Thermocouple wires</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic Temperature</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>Recording Probes</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

**Gas Concentration Monitoring Equipment:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Riken</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REPRESENTATIVE NAME (Printed name)</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITNESS (Printed name)</td>
<td>SIGNATURE</td>
<td>DATE</td>
</tr>
</tbody>
</table>

**AQIS OFFICE USE ONLY**

<table>
<thead>
<tr>
<th>Date of Inspection Gas Retention Test Confirmed</th>
<th>YES / NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration: Approved Disapproved</td>
<td>YES / NO</td>
</tr>
</tbody>
</table>

Reason for Approval not granted:

A copy of this form is to be faxed to (1) local AQIS office and (2) nominated Packhouse
### Appendix 6  Fumigation certificate

#### METHYL BROMIDE FUMIGATION RECORD – JAPAN

<table>
<thead>
<tr>
<th>Date</th>
<th>Name of Fumigator</th>
<th>Licensed Fumigator Number</th>
<th>Registered Establishment Number</th>
<th>Transfer Certificate (Ex 186) Number</th>
<th>Overall Temperature Range</th>
<th>Fumigation Rate</th>
<th>Fumigation Chamber Volume</th>
<th>Total Load as % of Chamber Volume</th>
<th>Time of Vent</th>
</tr>
</thead>
</table>

#### Grower Number | Number of Cartons/Commodity | Temperatures Taken *
|------------------|----------------------------|--------------------------|

**REMARKS:**

* of product at time of entry to fumigation

The thermometer used for temperature of product was calibrated on the .......... (Date)

Signature ...................................................... Date ..........................
Appendix 7    Phytosanitary certificate example

<table>
<thead>
<tr>
<th>EXPORTER NAME</th>
<th>Exporter Address</th>
<th>Exporter City, State, Postcode</th>
<th>Australia</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CONSIGNEE NAME</th>
<th>Consignee Address</th>
<th>Consignee City</th>
<th>Japan</th>
</tr>
</thead>
</table>

| No. PHYTO NUMBER | | | |
|-----------------|---|---|

| Name and address of Consigned/Notify Party: (9) | | | |
|------------------------------------------------|---|---|

<table>
<thead>
<tr>
<th>PHOTOSANITARY CERTIFICATE</th>
<th>Plant Protection Organisation of the Australian Government (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Place of Origin (7)</td>
<td>Tasmania Code 7112</td>
</tr>
<tr>
<td>Country of Final Destination (8)</td>
<td>Japan Code JIP</td>
</tr>
<tr>
<td>To: The Plant Protection Organisation of (9)</td>
<td>Japan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Declared means of conveyance (10)</th>
<th>Declared point of entry (11)</th>
<th>Import Permit Number (6)</th>
<th>NOT SUPPLIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>JLO14</td>
<td>Narita</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distinguishing marks and container numbers (12)</th>
<th>Number and description of packages (13)</th>
<th>Name of producer's quantity declared (14)</th>
<th>Botanical name of plant (15)</th>
<th>Commodity code (16)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PACKHOUSE NO: 2092</th>
<th>500 CARTONS</th>
<th>APPLES</th>
<th>Malus spp</th>
<th>08092000</th>
</tr>
</thead>
</table>

SAMPLE ONLY

This is to certify that the plants, plant products or other regulated articles described herein have been inspected and or tested according to appropriate procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, excluding those for regulated non-quarantine pests. (19)

**DISFESTATION AND/OR DISINFECTION TREATMENT (20)**

<table>
<thead>
<tr>
<th>Date (21)</th>
<th>Treatment (22)</th>
<th>Chemical (active ingredient) (23)</th>
<th>Concentration (24)</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 SEPTEMBER 2008</td>
<td>FUMIGATION</td>
<td>METHYL BROMIDE</td>
<td>500GM/M3</td>
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</table>

<table>
<thead>
<tr>
<th>Duration and temperature (25)</th>
<th>Additional information (26)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 HOURS AT 21°C</td>
<td>CT PRODUCT 76.4 OR MORE</td>
</tr>
</tbody>
</table>

**Additional declaration (27)**

1) The fruits covered by this certificate have been inspected and found free of Codling moth (Cydia pomonella) and other injurious pests and diseases.

<table>
<thead>
<tr>
<th>Place of Issue (30)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hobart</td>
<td>7000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Inspector (28)</th>
<th>Inspection Date (29)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A INSPECTOR</td>
<td>23 SEPTEMBER 2008</td>
<td>7116</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Authorised Officer (30)</th>
<th>Signature of Authorised Officer of the Dept (34)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A INSPECTOR</td>
<td>E16 (May 08)</td>
</tr>
</tbody>
</table>
Appendix 8  Approved DAFF seals (sea freight only)