Cold Storage Disinfestation for Fruit Fly (ICA-07)

Revision Register

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Authorised:
Manager, Market Access & Systems
Biosecurity SA – Plant & Food Standards – Plant Health

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1.0 PURPOSE

The purpose of this procedure is to describe -

(a) the principles of operation, design features and standards required for cold treatment facilities; and
(b) the responsibilities and actions of personnel;

that apply to the certification of cold treatment of fruit for fruit fly under an Interstate Certification Assurance (ICA) arrangement.

2.0 SCOPE

This procedure covers all certification of cold treatment of fruit by Businesses operating under an ICA arrangement in South Australia.

This procedure covers verification of cold treatment using fruit pulp temperatures and return air temperatures.

This procedure is applicable where the requirements specified in ‘6. Requirement’ are a specified entry condition of an interstate authority for Fruit Fly.

Certification of cold treatment under this Operational Procedure may not be an accepted quarantine entry condition for all produce to all intrastate and interstate markets.

3.0 REFERENCES

WI-02 Guidelines for Completion of Plant Health Assurance Certificates

4.0 DEFINITIONS

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>accredit</td>
<td>Means to accredit a person to issue Assurance Certificates under the Plant Health Act 2009.</td>
</tr>
<tr>
<td>Accrediting Authority</td>
<td>means the governing jurisdiction (Biosecurity SA – Plant Health) with whom the business is accredited with.</td>
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<tr>
<td>Application for Accreditation</td>
<td>means an Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement.</td>
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<tr>
<td>Air storage</td>
<td>Means a system for holding produce in a container or cool store where the CO2 and O2 levels within the container or cool store are not controlled</td>
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<tr>
<td>Assurance Certificate</td>
<td>means a Plant Health Assurance Certificate.</td>
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<tr>
<td>Term</td>
<td>Definition</td>
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<tr>
<td>Authorised Signatory</td>
<td>means an officer of an ICA accredited Business whose name and specimen signature is provided as an authorised signatory with the Business’s Application for Accreditation.</td>
</tr>
<tr>
<td>Biosecurity SA (BSA)</td>
<td>Biosecurity SA – Plant Health, a division of Primary Industries &amp; Regions SA</td>
</tr>
<tr>
<td>Business</td>
<td>means the legal entity responsible for the operation of the facility and ICA arrangement detailed in the Business’s Application for Accreditation.</td>
</tr>
<tr>
<td>Certification Assurance</td>
<td>means a voluntary arrangement between the Biosecurity SA – Plant Health and a Business that demonstrates effective in-house quality management and provides assurance through documented procedures and records that produce meets specified requirements.</td>
</tr>
<tr>
<td>certified/certification</td>
<td>means covered by a valid Plant Health Assurance Certificate.</td>
</tr>
<tr>
<td>Controlled atmosphere (CA) storage</td>
<td>Means a system for holding produce in an atmosphere that differs substantially from normal air in respect to CO₂ and O₂ levels. Controlled atmosphere storage refers to the constant monitoring and adjustment of the CO₂ and O₂ levels within gas tight stores or containers.</td>
</tr>
<tr>
<td>cold treatment</td>
<td>means the maintenance of produce at specified cold temperatures over a specified time to control possible fruit fly infestation.</td>
</tr>
<tr>
<td>facility</td>
<td>means the location where the cold treatment and/or post-harvest packing and certification operations covered by the ICA arrangement are carried out.</td>
</tr>
<tr>
<td>fruit fly</td>
<td>means Mediterranean or Queensland fruit fly.</td>
</tr>
<tr>
<td>ICA</td>
<td>means Interstate Certification Assurance.</td>
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<tr>
<td>Inspector</td>
<td>Means an inspector appointed under the Plant Health Act 2009</td>
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<tr>
<td>Interstate Certification Assurance</td>
<td>means a system of Certification Assurance developed to meet the requirements of State and Territory governments for the certification of produce for interstate and intrastate quarantine purposes.</td>
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<tr>
<td>Mediterranean Fruit Fly (MFF)</td>
<td>means all stages of the species Ceratitis capitata (Wiedemann).</td>
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<tr>
<td>nonconformance</td>
<td>means a nonfulfilment of a specified requirement.</td>
</tr>
<tr>
<td>Tasmania only</td>
<td>means the section only applies to consignments being consigned to Tasmania.</td>
</tr>
<tr>
<td>term</td>
<td>definition</td>
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<tr>
<td>------</td>
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<tr>
<td>treatment lot</td>
<td>means a discrete quantity of produce collected in a coldroom and cold treated together as a unit.</td>
</tr>
<tr>
<td>treatment lot number</td>
<td>means a unique number or alpha-numeric code that identifies a treatment lot and the coldroom and facility in which it was treated.</td>
</tr>
<tr>
<td>Treatment lot number</td>
<td>means a unique number or alpha-numeric code that identifies a treatment lot and the coldroom and facility in which it was treated.</td>
</tr>
<tr>
<td>Queensland fruit fly</td>
<td>means all life stages of the species <em>Bactrocera tryoni</em> (Froggatt).</td>
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</table>

5.0 **RESPONSIBILITY**

These position titles have been used to reflect the responsibilities of staff under the ICA arrangement. These positions may not be present in all Businesses, or different titles may be used for staff who hold these responsibilities. In some Businesses one person may carry out the responsibilities of more than one position.

The **Certification Controller** is responsible for –

- representing the Business during audits and other matters relevant to ICA accreditation;
- training staff in their duties and responsibilities under this Operational Procedure;
- ensuring the Business and its staff comply with their responsibilities and duties under this Operational Procedure;

**PART A** (covering the cold treatment)

- ensuring the Business has current accreditation for an ICA arrangement under Part A of this Operational Procedure (refer 7.1);
- if the cold treatment facility has more than one coldroom used for treating fruit under this Procedure, maintaining a facility plan clearly indicating the locations of and which cold rooms fruit is treated in for certification under this Operational Procedure (refer 7.2);
- ensuring coldrooms and temperature sensing and recording equipment conforms to the requirements of this Operational Procedure (refer 7.3);

**PART B** (covering fruit receival, packing and certification)

- ensuring the Business has current accreditation for an ICA arrangement under Part B of this Operational Procedure (refer 7.1);
- ensuring all fruit received for packing and/or certification under Part B of this Operational Procedure has been sourced from a Business accredited under Part
A and, if applicable, are accompanied by a valid Cold Treatment Declaration (refer 7.8.1);

- overseeing the packing of fruit for certification under this Operational Procedure (refer 7.9);
- maintaining packing records for all certified fruit that allows trace back to the original treatment lot and Coldroom Loading and Treatment Record or Cold Treatment Declaration.

The **Treatment Operator** is responsible for -

- calibrating temperature sensors and recording equipment (refer 7.3);
- maintaining temperature sensing and recording equipment calibration test records (refer 7.3);
- loading the coldroom, placement of temperature sensors and oversight of cold treatment and temperature recording (refer 7.4);
- maintaining cold treatment records (refer 7.5).

The **Authorised Dispatcher** is responsible for -

- ensuring all packages covered by an Assurance Certificate issued by the Business under this Operational Procedure are identified (refer 7.10.1); and
- maintaining copies of all Assurance Certificates issued by the Business under the ICA arrangement (refer 7.10.3).

**Authorised Signatories** are responsible for -

- ensuring, prior to signing and issuing an Assurance Certificate, that produce covered by the certificate has been prepared in accordance with the Business’s ICA arrangement and that the details on the certificate are true and correct in every particular (refer 7.10.2).

### 6.0 REQUIREMENT

Produce certified under this Operational Procedure must be subjected to cold treatment in an approved facility in accordance with one of the following treatment schedules.
### Mediterranean Fruit Fly

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Minimum Number of Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0°C ± 0.5°C</td>
<td>14</td>
</tr>
<tr>
<td>1.0°C ± 0.5°C</td>
<td>16 (Lemons 14 days)</td>
</tr>
<tr>
<td>2.0°C± 0.5°C</td>
<td>18 (Lemons 16 days)</td>
</tr>
<tr>
<td>3.0°C± 0.5°C</td>
<td>20 (Lemons 18 days)</td>
</tr>
</tbody>
</table>

### Queensland Fruit Fly

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Minimum Number of Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0°C ± 0.5°C</td>
<td>14</td>
</tr>
<tr>
<td>1.0°C ± 0.5°C</td>
<td>16 (Lemons 14 days)</td>
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<td>2.0°C± 0.5°C</td>
<td>16 (Lemons 14 days)</td>
</tr>
<tr>
<td>3.0°C± 0.5°C</td>
<td>16 (Lemons 14 days)</td>
</tr>
</tbody>
</table>

Fruits that have been subjected to cold treatment include kiwifruit, pome fruit, stone fruit, citrus and grapes. Most tropical and some temperate fruits are susceptible to cold injury and are not suitable for cold treatment.

If in doubt as to whether a specific cold treatment time/temperature regime is harmful to the quality or condition of a particular commodity, check with experienced persons such as departmental officers for any available information. Testing of small quantities is recommended.

Biosecurity SA accepts no responsibility for any damage to produce from this treatment.

Biosecurity SA and interstate quarantine authorities maintain the right to inspect certified produce at any time and to refuse to accept a certificate where produce is found not to comply with specified requirements.

### 7.0 PROCEDURE

#### 7.1 Accreditation

##### 7.1.1 Application for Accreditation

A Business seeking accreditation for an ICA arrangement under this Operational Procedure shall make application for accreditation (Attachment 1) at least 10 working days prior to the intended date of commencement of treatment of produce.

If the Business cold treats fruit for packing and certification by another Business, then Part A is indicated on the application and a Facility Plan attached.
If the Business only packs and certifies fruit cold treated by other businesses, then Part B is indicated on the application.

If the Business cold treats, packs and certifies fruit then Part A and Part B are indicated on the application and a Facility Plan attached.

7.1.2 Audit Process

Initial Audit

Prior to accrediting a Business, an Inspector carries out an initial audit of the Business to verify the ICA system is in place and capable of operating in accordance with the requirements of the Operational Procedure, and the system is effective in ensuring compliance with the specified requirements of the ICA arrangement.

On completion of a successful initial audit, applicants will be granted provisional accreditation and posted a Certificate of Accreditation (refer 7.1.3 Certificate of Accreditation).

Compliance Audits

Compliance audits are conducted to verify that the ICA system continues to operate in accordance with the requirements of the Operational Procedure.

Compliance audits are, wherever practical, conducted when the ICA system is operating.

A compliance audit is conducted within four weeks of the initial audit or issue of the first Plant Health Certificate.

On completion of a successful compliance audit, annual accreditation is granted to cover the current season, up to a maximum of twelve months from the date of provisional accreditation, and a new Certificate of Accreditation issued (refer 7.1.3 Certificate of Accreditation).

A compliance audit is conducted between six and nine months after the date of accreditation for an ICA arrangement that operates for more than six months of the year.

Random audits are conducted on a selected number of accredited Businesses each year. Random audits may take the form of a full compliance audit, or audits of limited scope to sample treatment mixtures, certified produce, ICA system records or ICA system documentation.

Unscheduled compliance audits may be conducted at any time to investigate reported or suspected non-conformances.
Re-Accreditation

Accredited Businesses are required to re-apply for accreditation each year the business seeks to operate under the ICA arrangement. Businesses seeking re-accreditation must lodge a renewal application prior to accreditation lapsing, or if accreditation has lapsed, prior to commencing further treatment and certification of produce under the ICA arrangement.

A compliance audit is conducted each year within twelve weeks of the Business commencing treatment of produce following re-accreditation.

An accredited Business will receive a Certificate of Accreditation for an Interstate Certification Assurance Arrangement detailing the scope of the arrangement including:

- the facility location;
- the Operational Procedure;
- any restrictions on the accreditation such as the type of produce covered;
- the period of accreditation.
- The Business must maintain a current Certificate of Accreditation and make this available on request by an Inspector.
- A Business may not commence or continue certification of produce under the ICA arrangement unless it is in possession of a valid and current Certificate of Accreditation for the procedure and produce type covered by the Assurance Certificate.
PART A (Covers Cold Treatment)

7.2 Facility Plan

The Business shall maintain a plan of the facility.

The facility plan shall include the following details-

(a) road access including street name/s;
(b) internal roadways within the facility providing access to the coldrooms;
(c) the location and identification of buildings at the facility;
(d) the location and size (m³) of each coldroom and the coldroom number or other code that uniquely identifies each coldroom at the facility.

A copy of the facility plan shall be included with the Business’s Application for Accreditation if accreditation for Part A is required (refer 7.1.1 Application for Accreditation).

A blank Facility Plan is included and must be completed and copied for inclusion with the Business’s Application for Accreditation.

7.3 Cold Treatment Facilities

7.3.1 Cold Treatment Methods

Two methods of cold treatment are allowed under this Procedure:-

Temperature Sensing:-

Temperature sensors may be used to measure fruit pulp temperature. A minimum of two sensors shall be used for volumes of up to 250 cubic meters of fruit. Cold treatment shall be verified using pulp temperature records. Hard copies of electronic records of temperatures can be used where continuous recording systems are implemented. Where intermittent recording systems are used, a record of temperature must be recorded automatically; or

Return Air Sensing:-

This option shall only be used for controlled atmosphere or air stored fruit which cannot be accessed to place pulp temperature sensors. Return air temperature records may be used to verify cold treatment for fruit in long term air storage or controlled atmosphere cool storage when return air temperature has been maintained at or below the selected target temperature for a minimum of 4 weeks prior to treatment commencing.
7.3.2 Coldrooms

Coldrooms in which cold treatment is to occur under this Operational Procedure shall be purpose built, have appropriate cooling, temperature measurement and recording equipment and must be lockable to ensure the security and integrity of the fruit being treated.

Coldrooms shall have adequate air circulation to ensure effective and equal cooling of all fruit in the room.

7.3.3 Temperature Sensing and Recording Equipment

Where the true temperature is in the range of -3 C to +3 C in the normal operating environment reading of recording instruments shall be accurate to within ± 0.2°C. The instrument must be capable of repeatability in the range of -3 C to +3 C

For low resolution recording equipment, temperature recording shall be accurate to within ±0.5 C at 0 C

7.3.4 Temperature Sensors

Remote sensors used for measuring fruit temperature shall have an outer sheath of 6.4 mm diameter or less. The sensing unit shall be located within the first 25 mm of the sensor. Sensors shall be accurate to within ± 0.2°C in the range of -3°C to +3°C.

The sensing unit shall be located within the first 25 mm of the sensor. Each sensor shall be uniquely identified in a manner such as a tag attached to the sensor or on the adjacent wall or fruit container. Sensors shall be matched to a specific data recorder

A plan indicating the location and identity of each sensor shall be kept with the data recording instrument. A blank Coldroom Sensor Placement Plan is provided as Attachment 11.

7.3.5 Temperature Recording Equipment

Reading of recording instruments shall be accurate to within ± 0.2°C of the true temperature in the range of -3°C to +3°C in the normal operating environment. The instrument must be capable of repeatability in the range of -3°C to +3°C.

For low resolution mini data loggers, temperature recording shall be accurate to within ±0.5°C at 0°C.
7.3.6 Data Logger Display Standards

For data loggers, temperature records shall be downloaded onto a personal computer at completion of the treatment period. At conclusion of the treatment, the Business shall obtain print outs of the treatment temperatures throughout the treatment period and date and sign these data log sheets as the treatment record.

For each sensor the temperature value shall be sampled at least once an hour with identified temperature points accurate to 0.2°C (or 0.5°C for low resolution data loggers). Each hourly reading shall be displayed on the data log sheet and contain a clear, fully informative record including the sensor identity/location, the temperature reading to a resolution of at least 0.2°C (or 0.5°C for low resolution data loggers), and the date and time of sampling.

7.3.7 Manual Recording Systems

Temperature reading and recording may be done manually on log sheets maintained. Temperatures shall be sampled from each sensor and recorded on log sheets every 12 hours in a 24 hour cycle for each day of the cold treatment.

Each 12 hourly sample shall be recorded on the log sheet and contain a clear, fully informative record including the sensor identity/location, the temperature reading to a resolution of at least 0.2°C, the date and time of sampling and the identification and initials of the officer taking the reading. Manual temperature sampling shall only be carried out by the Treatment Operator or Certification Controller.

An example of a manual data log sheet is included as Attachment 13.

7.3.8 Calibration of Temperature Sensing and Recording Equipment

Temperature sensors and recording systems must be calibrated at the freezing point (0°C) prior to commencement and on completion of each cold treatment. At calibration, each sensor must be uniquely identified and matched with the corresponding data recorder.

Calibration shall be undertaken by the Treatment Operator or by a recognised Testing Authority. For the purpose of this Operational Procedure, a recognised Testing Authority is a person or company that is approved by Biosecurity SA to calibrate cold treatment temperature sensing and recording equipment.

Calibration Method

Where calibration is undertaken by the Treatment Operator, the calibration method detailed in Attachment 4 shall be used.
Temperature Sensing and Recording Equipment Calibration Records

Records shall be maintained of the results of calibration of all temperature sensors and recording equipment used under this Procedure.

Records shall be in the form of calibration test records from the recognised Testing Authority or a Cold Treatment Sensor Calibration Test or similar record that shall include the following information -.

- the date of calibration;
- the identification of the sensor and data recording instrument;
- the results of the two readings taken at 0.0°C;
- the correction (variation) if any to be applied to the sensor reading;
- the name of the person or recognised Testing Authority responsible for conducting the calibration test.

All fruit certified under this Procedure must have been treated for fruit fly in an approved cold treatment facility in accordance with an appropriate temperature/time schedule as detailed in requirement.

Access to coldrooms during treatment shall be restricted to essential personnel. When access to coldrooms is not required, coldrooms shall remain locked during treatment.

7.4 Cold Treatment

7.4.1 Loading the Coldroom

Produce shall be placed in such a way as to ensure unrestricted circulation of refrigerated air through the stack and thus minimise the development of localised hot spots.

Each bin and/or package of produce placed in cold storage for treatment shall be clearly labelled with the treatment lot number and, if applicable, the owner of the fruit. The treatment lot code or number shall be a unique identifier that identifies the treatment lot and is traceable to the relevant Coldroom Loading and Treatment Record.

Coldroom Loading and Treatment Record shall be kept for each treatment lot placed in the coldroom. Multiple treatment lots may be treated in one coldroom at one time.

The Coldroom Loading and Treatment Record shall record –

- the treatment lot code or number;
- the coldroom in which the lot is treated;
- the date of loading;
• the type and quantity of produce in the lot;
• identification of the owner of the fruit;
• the date cold treatment commenced;
• the date cold treatment was completed
• the maximum temperature recorded during cold treatment (treatment temperature)

Identification of the owner of the treatment lot is not required where the business only cold treats its own fruit

7.4.2 Verification of Cold Treatment Using Pulp Temperatures

Sensor Placement

A minimum of three sensors shall be used for volumes of up to 250 cubic metres of fruit. One sensor shall measure air temperature and two shall measure fruit pulp temperature. One fruit pulp sensor shall be used for each additional 250 cubic meters of fruit or part thereof. These requirements also apply where mini data loggers are used for sensing and recording treatment temperatures.

Fruit pulp sensors shall be inserted into the centre of a test fruit in the top layer of the package or bin. The test fruit shall be selected from the largest fruit size in the lot. With small fruit, such as grapes, the sensor shall penetrate two or more fruit. Cartons, if used, must be fully closed following insertion of the sensors.

During initial cooling the warmest area in the load of fruit is to be determined by placing sensory probes or thermometers in air and fruit at various locations in the stack and measuring and recording the temperature profiles. A history of these records should be accumulated and used to determine optimum sensor placement for a particular coldroom and/or stack configuration.

At the commencement of treatment a sensor shall be placed to measure air temperature and one to measure pulp temperature in the warmest part of the load as determined by temperature profiles.

Further sensors shall be placed to measure pulp temperatures at locations representing different areas of the coldroom from midway to the top of the load.

Treatment Method

Treatment shall commence only when fruit pulp temperature has equilibrated for at least 24 hours at the specified target temperature.

If pulp temperature increases to more than the tolerance limit (0.5°C) above the specified target temperature at any time during the treatment period the fruit temperature must be lowered within tolerance limits and the treatment recommenced as if starting a new treatment period. Alternatively, treatment may be continued at a
higher target temperature and the produce held for the corresponding longer treatment period.

The Treatment Operator shall regularly check temperature recording equipment to ensure it continues to function correctly. If temperature sensing or recording equipment fails during the treatment, the equipment must be repaired and the treatment recommenced as if starting a new treatment period.

7.4.3 Verification of Cold Treatment Using Return Air Temperature

Records of the return air temperature may be used to verify cold treatment for fruit in long term air or controlled atmosphere (CA) cold storage when return air temperature has been maintained at or below the selected target temperature for at least 4 weeks prior to treatment commencing.

This option shall only be used for controlled atmosphere or air stored fruit that cannot be accessed to place pulp temperature sensors.

Sensor Placement

Return air temperature shall be monitored by a single sensor located near the thermostat probe in the return air stream to the cooling unit. This requirement also applies where a mini data logger is used for sensing and recording return air temperature.

Treatment Method

The Treatment Operator must record the return air temperature of the coldroom for 26 days after loading at intervals of not less than every 5 days, and continuously for at least 2 days at hourly intervals, prior to commencement of treatment to ensure the temperature is consistently at or below the selected target temperature.

Following commencement of treatment, return air temperatures must remain at or below the target temperature during the treatment period. If the temperature of return air (other than that associated with periodic defrost cycle fluctuations) exceeds the return air target temperature during the treatment period, the treatment is deemed to be invalid and recording must recommence as if starting a new treatment period. Alternatively, a higher target temperature may be selected and records kept for the corresponding longer treatment period.

The Treatment Operator shall regularly check temperature recording equipment to ensure it continues to function correctly. If temperature sensing or recording equipment fails during the treatment, the equipment must be repaired and the treatment recommenced as if starting a new treatment period.
7.5 Treatment Records

The Treatment Operator shall maintain records of each cold treatment. Cold treatment records shall include a *Coldroom Loading and Treatment Record* (refer Attachment 5) for each treatment lot and a strip chart, continuous data log sheet or manual data log sheet for each cold treatment.

Strip charts, continuous data log sheets or manual data log sheets shall be maintained with the *Coldroom Loading and Treatment Record* to which they relate.

A completed example of a *Coldroom Loading and Treatment Record* is included as Attachment 6.

For mini data loggers, temperature records may be downloaded onto a personal computer at completion of the treatment period. At conclusion of the treatment, the Treatment Operator shall obtain printed data log sheets of the treatment temperatures throughout the treatment period.

Treatment temperature records must identify -

- the coldroom;
- the date and time of temperature sampling;
- the sensor identification to which the temperature reading relates; and
- the temperature reading to a resolution of at least 0.2°C (or 0.5°C for low resolution temperature recording equipment).

The Treatment Operator shall date and sign the treatment record at the conclusion of the treatment as verification of the accuracy of the record.

Any alterations to treatment temperature or time schedules must be noted on the relevant treatment temperature record with an explanation for the alterations and the date and initials of the Treatment Operator.

7.6 Cold Treatment Declaration

A Business which cold treats fruit to be packed by another Business for certification must be accredited for an ICA arrangement under Part A of this Operational Procedure.

The Business shall supply a Cold Treatment Declaration (refer Attachment 7) with each delivery of fruit supplied to the packing business for certification.

An example of a completed Cold Treatment Declaration is included as Attachment 8.

A declaration is not required where the Business that cold treats the fruit is the same Business that packs and certifies the fruit under this Operational Procedure.
The declaration must identify –

(a) the name and Interstate Produce (IP) Number of the accredited Business that cold treated the fruit;
(b) a statement the business is accredited under Part A of this Operational Procedure for the source cold treatment facility;
(c) the identity of the facility in which the fruit was treated;
(d) identification of the treatment lot number and the type and quantity of produce from the treatment lot in the delivery covered by the declaration;
(e) details of cold treatment of each treatment lot covered by the declaration including the commencement and completion dates and the maximum temperature reached during the treatment period.

PART B (Covers the packer activities of fruit receival, packing and certification)

7.7 Fruit Receival

The Fruit Receival Officer shall ensure that all fruit received for certification under this Operational Procedure –

(a) are supplied by a Business accredited under Part A; and
(b) each bin or pallet is identified with the treatment lot number of the treatment lots in which it was treated clearly identified with the treatment lot number
(c) the treatment lot number and cold treatment details are maintained for all produce received and certified under this Operational Procedure from receival through to certification and dispatch.

Any bin or pallet that is not clearly identified with the treatment lot number shall be regarded as untreated for the purpose of this Operational Procedure.

7.7.1 Receival of Fruit Treated by Another Business

A Business that packs and/or certifies fruit that has been cold treated by another Business shall ensure –

(a) each delivery of fruit received from another Business for certification under this Operational Procedure is accompanied by a Cold Treatment Declaration;
(b) fruit supplied for certification has undergone a cold treatment regime in accordance with 6. Requirement;
(c) the treatment lot number and cold treatment details are maintained for all produce received and certified under this
Operational Procedure from receipt through to certification and dispatch.

The Business shall maintain copies of each Cold Treatment Declaration received from a Business accredited under Part A that treated fruit they pack and certify under this Operational Procedure.

7.8 Packing

The Certification Controller shall oversee the packing process to ensure only fruit from bins that have been cold treated in accordance with this Procedure and are identified with the treatment lot number are packed for certification under this Operational Procedure.

7.8.1 Packing Records

Where produce is cold treated in bulk and packed after treatment, packing records shall be maintained by the Certification Controller that provide trace back of certified produce to the original treatment lot and the relevant Cold Treatment Declaration or Coldroom Loading and Treatment Record.

Packing records shall be in the form of a Cold Treatment Packing Record (refer Attachment 9) or records which capture the same information.

Packing records must include –

- the Interstate Produce (IP) number of the Business that operates the approved facility in which the produce was packed;
- the date of packing;
- the treatment lot code or number;
- the number and net weight of the bulk containers being packed;
- the type and variety or cultivar of the produce being packed;
- the number and count or net weight of packages packed from the lot;
- Plant Health Assurance Certificate numbers covering the packed produce.

An example of a completed Cold Treatment Packing Record is included as Attachment 10.

7.8.2 Identification of Treated and Untreated Fruit During Packing

A Business that packs treated and untreated fruit shall implement systems to identify the treatment status of fruit during packing to prevent mixing of treated and untreated fruit.

Examples of acceptable methods of identifying treated and untreated fruit during packing include –
(a) packing treated fruit at different times to untreated fruit and clearing the lines before changing over; or
(b) packing treated and untreated produce on different packing lines.
(c) Other methods may be used provided they clearly identify and segregate treated and untreated fruit.

7.8.3 Identification of Treated and Untreated Fruit After Packing

A Business that packs treated and untreated fruit shall implement systems to identify the treatment status of fruit after packing to prevent mixing of treated and untreated fruit.

Examples of acceptable methods of identifying treated and untreated fruit after packing include -
(a) using packaging which differs significantly in appearance; or
(b) marking each package of treated fruit in a manner that clearly identifies the fruit as treated in accordance with this Operational Procedure.

Other methods may be used provided they clearly identify treated and untreated fruit.

7.9 Post Treatment Security (Tasmania only)

Packing shall commence as soon as practicable after treatment. Any treated fruit that is not in the process of packing must be held in secure conditions until packed.

Completed pallets of packed produce shall be held for the minimum practical period before placing in secure conditions.

Certified fruit must be stored at and transported from the packing facility in secure conditions that prevent infestation by fruit fly.

Secure conditions include-
(a) unvented packages;
(b) vented packages with the vents secured with gauze/mesh with a maximum aperture of 1.6 mm;
(c) fully enclosed under tarpaulins, hessian, shade cloth, mesh or other covering which provides a maximum aperture of 1.6 mm;
(d) shrink-wrapped and sealed as a palletised unit;
(e) fully enclosed or screened buildings, coldrooms, vehicles or other facilities free from gaps or other entry points greater than 1.6 mm.

**Fruit consigned to Tasmania must be transported in full container lots sealed prior to transport, or as lesser container lots in accordance with the requirements of (a), (b) or (d) above.**
Where consignments are transported to Tasmania as full container lots, the seal number must be included in the Brand Name or Identifying Marks section of the Assurance Certificate covering the consignment (refer).

Where consignments are transported in vented packages that are sealed as a palletised unit in accordance with (d) above, the Business must secure the top layer of the pallet by applying a row of tape over the shrinkwrap and have applied to the tape in waterproof ink the signature of an Authorised Signatory, the number of the Plant Health Assurance Certificate covering the consignment and the date.

7.10 Dispatch

7.10.1 Package identification

The Authorised Dispatcher shall ensure that, after treating and packing, each package is marked in indelible and legible characters of at least 5 mm, with –

- the Interstate Produce (IP) number of the accredited Business that certified the fruit;
- the words “MEETS ICA-07”; and
- the date (or date code) on which the fruit was certified or packed;

prior to the issuance of an Assurance Certificate by the Business under this Operational Procedure.

Any packages containing fruit that has not been cold treated in accordance with the requirements of this Operational Procedure shall not be marked as stated above.

7.10.2 Assurance Certificates

The Authorised Dispatcher shall ensure an Assurance Certificate is completed and signed by an Authorised Signatory of the Business prior to consignment of produce to a market requiring certification of cold treatment for fruit fly.

Assurance Certificates shall be in the form of a Plant Health Assurance Certificate.
Assurance Certificates shall include:

(a) in the “Accredited Business that Prepared the Produce” section -
   • the name and address of the Accredited Business that cold treated the fruit;

(b) in the “IP No. of Acc. Business” section -
   • the IP No. of the Accredited Business that cold treated the fruit;

(c) in the “Grower or Packer” section -
   • the name and address of the Accredited Business that packed the fruit;

(d) in the “Treatment” section –
   • in the Date column, the date the cold treatment period was completed;
   • in the Treatment column, the words “Cold Treatment”;
   • in the Duration and Temperature column, the words “XX days at ## °C or below”, where XX is the number of days in the treatment period and ## is the maximum temperature reached during the treatment period.

Where temperature verification is based on return air temperature the declared maximum temperature must be 0.5 °C above the maximum temperature recorded throughout the treatment period.

Individual Assurance Certificates shall be issued to cover each consignment (ie. a discrete quantity of product transported to a single consignee at one time) to avoid splitting of consignments. Attachment 2 shows a completed example Plant Health Assurance Certificate.

Assurance certificates shall be completed, issued and distributed in accordance with the Work Instruction Guidelines for Completion of Plant Health Assurance Certificates [WI-02].

7.10.3 Assurance Certificate Distribution

The original (yellow copy) must accompany the consignment.

The duplicate (white copy) must be retained by the Business.

7.11 ICA System Records

The Business shall maintain the following records -

PART A
(a) a Facility Plan (see Attachment 3)
(b) Coldroom Loading and Treatment Records Coldroom Sensor Placement Plans (See Attachment 11)
(c) Coldroom Sensor Calibration Test Records Cold treatment temperature records (strip charts, data log sheets etc. (Attachment 12)
PART B

(a) if applicable, a copy of each Cold Treatment Declaration received Cold Treatment Packing Records (Attachment 10)

(b) a copy of each Plant Health Assurance Certificate issued by the Business (Attachment 2)

ICA system records shall be retained for a period of at least 12 months from completion, or until the next compliance audit of the ICA arrangement, whichever is the later.

An accredited Business must hold a minimum of 12 months ICA system records at the time of any compliance audit. If the compliance audit is conducted more than 12 months from the last compliance audit, the business must maintain all records completed since the previous compliance audit.

ICA system records shall be made available on request by an Inspector.

7.12 ICA System Documentation

The Business shall maintain the following documentation -

(a) a copy of the Business’s current endorsed Application for Accreditation;

(b) a current copy of this Operational Procedure;

(c) a current Certificate of Accreditation for an Interstate Certification Assurance Arrangement.

ICA system documentation shall be made available on request by an Inspector.
8.0 ATTACHMENTS

Attachment 1  Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement (Completed Example)
Attachment 2  Plant Health Assurance Certificate (Completed Example)
Attachment 3  Facility Plan
Attachment 4  Calibration of Temperature Sensors and Temperature Recording Equipment
Attachment 5  Cold Room Loading and Treatment Record (Blank)
Attachment 6  Cold Room Loading and Treatment Record (Completed Example)
Attachment 7  Cold Room Declaration (Blank)
Attachment 8  Cold Room Declaration (Completed Example)
Attachment 9  Cold Treatment Packing Records (Blank)
Attachment 10 Cold Treatment Packing Record (Completed Example)
Attachment 11 Coldroom Sensor Placement Plan
Attachment 12 Coldroom Sensor Calibration Test Record
Attachment 13 Cold Treatment Record
APPLICATION for ACCREDITATION / REGISTRATION or ANNUAL RETURN (ICA / CA / IR)

Complete clearly and return to Biosecurity SA - Plant Health Operations, 33 Flemington St, Glenside SA, 5065.
(Please print. See Conditions / Application Instructions on pages 2 and 3 of this Application.)

Type of application being made (Tick or mark one): ☐ Annual Return ☐ New ☐ Amendment ☐

NOTE: This application can only cover one Procedure (Arrangement) at one Facility

Has Business previously been registered for movement of produce? ☐ Yes ☐ No ☐
If yes, provide Interstate Produce (IP) Number (& Facility number).

ICA/CA/IR Number Title of Arrangement Operational Procedure or Registration *

ICA 07 Cold Storage Disinfection for Fruit Fly

Tick box if you wish this application to apply to both CA01/(IVCA) and IR01 ? ☐ yes

Applicant Details.

Type of Ownership of Business. (Tick or mark one)
☐ Individual ☐ Partnership ☐ Incorporated Company ☐ Cooperative Association ☐ Trust ☐ Government

Individual Name: Last Name First Name
Business Name: 
Postal Address Line 1: Line 2: Suburb: State: Postcode:
Partner Names:
(Provide additional partners on a separate sheet)
Last Name First Name
Last Name First Name
Last Name First Name
Other Trading Names: 
ABN / ACN Number: 

Have you, any Partner or Director of the Business or anyone in a Management role been convicted of an indictable offence or other offence involving dishonesty in the past five years? (answer by circling / marking appropriate box).

☐ Yes ☐ No

A Company must attach a copy of Certification of Incorporation with new applications.

A Co-operative Association must attach a copy of Certificate or Registration to new applications Certification is attached ☐

Facility / Accreditation Details

Facility Address Line 1: Line 2: Suburb: State: Postcode:
Accreditation Contact: Last Name First Name
Position: 
Property Valuation No.: Section: Hundred:
Contact Details: Phone: Mobile:
Fax: Email:
Postal Address Line 2: Suburb: State: Postcode:

Persons Permitted to Sign or Verify Plant Health Certification

Role Certification Controller / Responsible Person Last Name Given Name(s) Specimen Signature
Backup Cert Controller / Responsible Person
Authorised Signatory / Responsible Person
Authorised Signatory / Responsible Person

Products Certified / Imported: (List all fruit & vegetable types, machinery, grapevines or nursery stock)

Seasonal Operator: (tick or Y = Yes)

Importing Details
Consignments per year Nursery Membership Yes / Yes / No
States of Origin: (tick or Y = Yes)
QLD VIC WA NSW NT TAS Overseas

ENSURE YOU ALSO COMPLETE AND SIGN SECOND PAGE
**Product / Certification Assurance Records and Methodology**

The business must carry out the necessary responsibilities and duties, and maintain records strictly in accordance with the applicable Operational Procedure unless permission to use different records/methods is requested below and is granted and endorsed by Biosecurity SA - Plant and Food Standards on this form. I hereby request to use the following alternative or additional records/methods detailed below.

I / We the undersigned applicant(s) do hereby declare that the information provided herein is accurate to the best of my/our knowledge and belief and make this application on my behalf, or on behalf of the above-mentioned business as a representative appointed to do so.

*Name of Partner / Director (print)* | *Designation* | *Signature* | *Date*  
--- | --- | --- | ---  
--- | --- | --- | ---  
--- | --- | --- | ---  
--- | --- | --- | ---  
--- | --- | --- | ---

### Conditions of Accreditation S16 / Registration S26

For the purposes of this accreditation / registration the following conditions may apply:

- The applicant must operate in full accordance with the Act and for ICA/CA Arrangements with the applicable Operational Procedure, which includes maintenance and provision of prescribed records for regular audit.
- The applicant is responsible to ensure that staff undertaking responsibilities required of the accreditation are adequately trained to do so.
- The frequency and number of audits will be determined by the Minister and carried out by persons authorised by the Minister.
- All fees for audits and inspections will be set by the Minister and the costs borne by the accredited person or business.
- The applicant will receive a Certificate of Accreditation / Registration which must be prominently displayed at the Business Facility.
- Restrictions may be imposed on the type of product an importer may bring into South Australia.


### Issue of Assurance Certificates / Registration of Importers / Verification of Product

The Plant Health Act 2009 requires any person issuing a Plant Health Assurance Certificate (PHAC) to be accredited to do so. Penalties apply. (see section 25).

The Plant Health Act 2009 requires any person bringing or introducing plant or plant related products into SA to be registered (section 26) and imported products require verification. It is an offence to import without being registered or to fail to have imported product verified. Penalties apply. (see sections 7, 25 and 33).

Only an accredited person may issue an assurance certificate (PHAC) or verify imported products (ie verify that an assurance certificate or other document relating to a plant or plant related product under a corresponding law complies with the requirements of the corresponding law). It is an offence to issue a Plant Health Assurance Certificate or verify imported product without being accredited. Penalties apply (see sections 7, 25 and 33).
Application Notes

The form must be fully completed by an Applicant on their behalf or on behalf of a legal entity/business that they have authority to represent. Partnerships require all partners to sign.

Attach a separate page if there is insufficient space available for all required details. (Late fees apply for Annual Returns)

Operational Procedure / Arrangement

The ICA / CA / IR number and name you are seeking Accreditation/Registration for must be entered here. E.g. ICA23, CA01 etc. Applications without these details will be delayed or not processed.

(You may make application for both CA01/(IVCA) and IR01 by ticking the YES box)

Applicant Details

- **Type of Ownership** shall be either – Individual, Partnership, Incorporated Company, Co-operative Association, Trust or other legal entity. (It may not be a Family Trust).
- **Name of the Legal Entity** shall either Individual, Business, Corporation, Association or Trust (if a Family Trust a trustee representing the Trust). Use attachment if insufficient room.
- **Address**: physical address of business is required
- **Partner Names**: all partners names must be provided.
- **Other Trading Name(s)**; List any other trading names used. Use attachment if insufficient room.
- **ABN / ACN Number**: ABN is the Australian Business Number.
- **Convictions**: Need to answer whether you, or any Director of the business or anyone in a Management role been convicted of an indictable offence or offence involving dishonesty in the past five years? This question must be answered. If it is not, the application will not be processed.

Facility/ Accreditation Details

- **Facility Address / Location**: Clearly indicate the location or physical address details where product will be prepared/verified that will enable a PIRSA officer to easily locate the premises. (Usually the registered address of the business).
- **Contact**: Name and role of the principal contact to be used in regard to the accreditation/Registration.
- **Property Valuation Number and Section and Hundred**: Must clearly indicate the Property Valuation Number, Section and Hundred of the property. These are available from the Council rate notice.
- **Postal Address**: A mailing address may be provided for posting of all correspondence.

**Persons Permitted To Sign or Verify Plant Health Certification**

- **Role**: The role of the person able to verify product on behalf of the accredited business.
- **Names**: The full name and specimen signature of each of these persons.

Product Details

- **Products Certified / Imported**: Indicate the imported product / equipment / machinery you expect to certify/verify using this procedure.
- **Seasonal Operator**: Indicate whether seasonal operation will apply and if so what months.
- **Consignments per year**: Importers to provide estimate number of consignments per year
- **Nursery Membership**: Nurseries to provide membership details
- **States of Origin**: Provide a yes for States that product is expected to come from.

**Product / Certification Assurance Records and Methodology**

- Complete only if you wish to maintain records in alternate method to that specified in Procedure.

Authorising / Signing

The Applicant (individual, all partners or company director/senior manager) must sign acknowledging they represent the business seeking accreditation and the information is accurate. It is an offence under section 51 of the Plant Health Act 2009 to make a false or misleading statement (whether by reason of the inclusion or omission of a particular) in an application made or information provided. Penalties apply.

Separate applications are required for each accreditation / registration. (i.e. ICA, CA, IVCA, Importer etc) see [www.pir.sa.gov.au/ica](http://www.pir.sa.gov.au/ica)

Please direct queries regarding this Application, Accreditation or Registration to the Market Access Officer on 8207 7814.

Gary Cox,
PLANT HEALTH ASSURANCE CERTIFICATE

ATTACHMENT 2

Certificate Number 12345

Consignment Details (Please Print)

<table>
<thead>
<tr>
<th>Consignor</th>
<th>Consignee</th>
</tr>
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<tbody>
<tr>
<td>Name</td>
<td>Fresh is Best</td>
</tr>
<tr>
<td>Address</td>
<td>Windsor Drive</td>
</tr>
<tr>
<td></td>
<td>Newmarket Victoria 3031</td>
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<tr>
<td>Virginia SA 5120</td>
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</tr>
</tbody>
</table>

Reconsigned To
(Splitting consignments or reconsigning whole consignments)

<table>
<thead>
<tr>
<th>Name</th>
<th>Method of Transport</th>
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<tbody>
<tr>
<td></td>
<td>Road</td>
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<tr>
<td></td>
<td>SES 101</td>
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<td></td>
<td>Rail</td>
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<tr>
<td></td>
<td>Air</td>
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Certification Details (Please Print)

<table>
<thead>
<tr>
<th>Accredited Business that Prepared the Produce</th>
<th>Grower or Packer</th>
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<tbody>
<tr>
<td>Name</td>
<td>Buffy Gardens</td>
</tr>
<tr>
<td>Address</td>
<td>Lyons Rd</td>
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<tr>
<td>Virginia SA 5120</td>
<td>Virginia SA 5120</td>
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</tbody>
</table>

IP No. of Acc. Business S 9876
Brand Name or Identifying Marks Willow Family Growers or WFG
Date Code 10 June 2014

No. of Packages 22
Type of Packages (eg. trays, cartons) Cartons
Type of Produce Cherries
Authorisation for Split Consignment

Date Treatment Chemical (Active Ingredient) Concentration Duration and Temperature
Dipping Dimethoate 400 ppm One Min 10 sec then wet for 60 sec.
Dipping Fenthion 412.5 ppm One Min 10 sec then wet for 60 sec.
Flood spraying Dimethoate 400 ppm 10 seconds then wet for 60 seconds
Flood spraying Fenthion 412.5 ppm 10 seconds then wet for 60 seconds
Non-recirculated spray Fenthion 412.5 ppm 10 seconds then wet for 60 seconds
Fumigation Methyl Bromide g/m³ Two Hours @ °C
Heat Treatment Hot Air Hot Water Min @ °C
Cold Treatment < .5 Degrees Celsius for 14 days

Additional Certification

"Meets ICA-07"

Declaration
I, an Authorised Signatory of the accredited business that prepared the plants or plant produce described above, hereby declare that the plants or plant produce have been prepared in the business’s approved facilities in accordance with the business’s Interstate Certification Assurance arrangement and that the details shown above are true and correct in every particular.

Authorised Signatory's Name Charlie Willow Jr
Signature Charlie Willow Jr
Date 10/6/14
FACILITY PLAN DETAILS

The facility plan (overleaf) is to include the following:

1. Road access including street names;
2. Internal roadways within the facility providing access to the coldrooms;
3. The location and identification of buildings at the facility;
4. The location and size (m$^3$) of each coldroom and the coldroom number or other code that uniquely identifies each coldroom at the facility.

COMPLETE THE FOLLOWING DETAILS FOR EACH COLDROOM SHOWN ON THE FACILITY PLAN

<table>
<thead>
<tr>
<th>Coldroom Reference Code or No</th>
<th>Size (m$^3$)</th>
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ARRANGEMENT DETAILS

Applicants Name (as shown on the application form)


Street Address of Facility (as shown on the application form)


Postcode

SCOPE OF ARRANGEMENT

Application is made for accreditation under Part A of ICA-07 Cold Treatment -

I ………………………………………………………. (full printed name) the
……………………………………………………………………..(position in business)
am authorised to sign on behalf of the business and I understand that-
(a) accreditation will only be granted for the coldrooms nominated on the Facility Plan;
(b) following accreditation, certification can only be issued in accordance with scope of accreditation detailed in the Certificate of Accreditation for an Interstate Certification Assurance (ICA) Arrangement covering the arrangement;
(c) application must be made to amend any of the current details in the Application for Accreditation of a Business for an Interstate Certification Assurance Arrangement [FDU 385] or this Facility Plan.

Signature…………………………………..Date             /      /      /
1. Sensor Identification

Each sensor shall be uniquely identified by means of a tag attached to the sensor or on the adjacent wall or fruit container.

Each sensor shall be matched with the output data recorder.

A plan showing the location and identity of each sensor shall be maintained with the data recording instrument.

2. Equipment and Supplies

An insulated container with a volume of at least 1 litre and an open neck.

Thermometer clamp or similar device.

5 litres of chilled deionised water.

Crushed ice made from deionised water.

3. Sensor Calibration Procedure

Sensor calibration shall be undertaken prior to commencing, and on completion of each cold treatment.

Calibration shall be conducted using a mixture of crushed ice made from deionised water, and deionised water in an insulated container using the following procedure –

Fill the insulated container with crushed ice. Add sufficient pre-cooled deionised water to cover the ice.

Thoroughly stir the ice/water mixture. Add additional ice as the ice melts.

Using the thermometer clamp or similar device, submerge each sensor in the ice/water mixture. Sensors must not touch the sides or bottom of the container.

Constantly stir the ice/water mixture while testing is being carried out. Allow the temperature shown by the sensors to stabilise at the lowest temperature obtainable.

Two consecutive readings shall be recorded for each sensor at the lowest temperature obtainable. There shall be at least a 60 second interval between the two readings for any one sensor.

Calibration shall be to the nearest 0.2°C. For low resolution mini data loggers, calibration shall be to the nearest 0.5°C.

Any sensor that records a temperature of ± 0.5°C or more from the standard of 0.0°C shall be replaced.

The temperature variance of each sensor shall be calculated as the mean of the variation of the two readings from 0°C and shall be clearly identified for each sensor and traceable to the data recording instrument.
<table>
<thead>
<tr>
<th>Date of Loading</th>
<th>Owner's Name</th>
<th>Fruit (Type &amp; Variety)</th>
<th>Quantity (No. &amp; Type)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
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</table>

Date Treatment Commenced / /  Date Treatment Completed / /
Treatment Temperature 0  Number of Sensors Used

I certify that this treatment lot has been treated in accordance with the requirements of the Operational Procedure *Cold Treatment* [ICA-07].

---

Treatment Operator (Printed Name) ________________________________
Signature ____________________ Date / /
**Business Name:** Coldroom Co. Pty. Ltd.  

**Coldroom Room:** A

<table>
<thead>
<tr>
<th>Date of Loading</th>
<th>Owner’s Name</th>
<th>Fruit (Type &amp; Variety)</th>
<th>Quantity (No. &amp; Type)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/10/14</td>
<td>Joe’s Apples</td>
<td>G. Smith Apples</td>
<td>66 Bulk Bins</td>
<td></td>
</tr>
</tbody>
</table>

**Date Treatment Commenced:** 12/07/14  
**Date Treatment Completed:** 27/07/14

**Treatment Temperature:** 0.5°C  
**Number of Sensors Used:** 4

I certify that this treatment lot has been treated in accordance with the requirements of the Operational Procedure Cold Treatment [ICA-07].

**Andrew Operator**  
Treatment Operator (Printed Name)  
**Operator**  
Signature  
**Date:** 27/07/14
A Cold Treatment Declaration must be provided to the certifying/packer business to cover each delivery (lot) of fruit delivered to the other business for certification under the Operational Procedure ICA-07.

I __________________________________________ (full printed name)

an Authorised Signatory of -

_________________________________________ (Business name),

Interstate Produce (IP) No. S

hereby declare that the fruit listed below and delivered to -

_________________________________________ (Business name)

Interstate Produce (IP) No. S

on - / / (date)

for certification under the Operational Procedure Cold Treatment [ICA-07], were cold treated as follows –

<table>
<thead>
<tr>
<th>Treatment Lot Code or Number</th>
<th>Fruit Type and Variety</th>
<th>Number and Type of Packages</th>
<th>Date Treatment Commenced</th>
<th>Date Treatment Completed</th>
<th>Number of Treatment Days</th>
<th>Maximum Temperature (°C)</th>
</tr>
</thead>
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</table>

_________________________________________ / / Signature

_________________________________________ / / Date
A Cold Treatment Declaration must be provided to the certifying/packer business to cover each delivery (lot) of fruit delivered to the other business for certification under the Operational Procedure ICA-07.

I ____________________________ (full printed name)
an Authorised Signatory of -

______________________________ (Business name),

Interstate Produce (IP) No. 9 9 9 9 S

hereby declare that the fruit listed below and delivered to -

______________________________ (Business name)

Interstate Produce (IP) No. 9 0 0 9 S

on - 28/10/14 (date)

for certification under the Operational Procedure Cold Treatment [ICA-07], were cold treated as follows –

<table>
<thead>
<tr>
<th>Treatment Lot Code or Number</th>
<th>Fruit Type and Variety</th>
<th>Number and Type of Packages</th>
<th>Date Treatment Commenced</th>
<th>Date Treatment Completed</th>
<th>Number of Treatment Days</th>
<th>Maximum Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1234</td>
<td>G. Smith Apples</td>
<td>16 Bins</td>
<td>12/10/14</td>
<td>27/10/14</td>
<td>14 days</td>
<td>0.5°C</td>
</tr>
<tr>
<td>A1237</td>
<td>Red Del. Apples</td>
<td>14 Bins</td>
<td>12/10/14</td>
<td>27/10/14</td>
<td>14 days</td>
<td>0.5°C</td>
</tr>
</tbody>
</table>

______________________________ (full printed name)

Signature 28/07/14
<table>
<thead>
<tr>
<th>Date of Packing</th>
<th>Treatment Lot Code or Number</th>
<th>Fruit Type &amp; Variety</th>
<th>Quantity of Bins Packed</th>
<th>Number &amp; Type of Packages</th>
<th>PHAC Number</th>
<th>Certification Controller's Initials</th>
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The Coldroom Sensor Placement Plan should comprise a diagram of the coldroom and include the location and identification of each temperature sensor.

Business Name

Interstate Produce No.
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Coldroom Data Recording Instrument ID. __________________________

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