

NURSERY FREEDOM, TREATMENT AND INSPECTION FOR MYRTLE RUST

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1. PURPOSE

The purpose of this procedure is to describe -

- (a) the requirements for nursery freedom, treatment and inspection; and
- (b) the responsibilities and practices of personnel;

that apply to live plants of the Myrtaceace family for freedom of myrtle rust under an Interstate Certification Assurance (ICA) arrangement.

2. SCOPE

This procedure covers certification of live plants of the Myrtaceace family for freedom of myrtle rust from a Business operating under an ICA arrangement in Queensland.

This procedure is applicable where the requirement specified in Section [6 Requirement](#) is a specified condition of entry of an interstate quarantine authority for live plants of the Myrtaceace family for freedom of myrtle rust.

Certification of live plants of the Myrtaceace family under this Operational Procedure is currently only accepted by the Northern Territory, Victoria and South Australia and is not an accepted quarantine entry condition for other interstate markets.

Some intrastate or interstate markets may require additional quarantine certification for pests and diseases other than myrtle rust as a condition of entry.

It is the responsibility of the Business consigning the live plants of the Myrtaceace family to ensure compliance with all applicable quarantine requirements.

Information on intrastate and interstate quarantine requirements can be obtained from the ICA Centre Coordinator for your district.

3. REFERENCES

- | | |
|-----------|---|
| ICA-WI-02 | <i>Guidelines for Completion of Plant Health Assurance Certificates</i> |
| ICA-WI-10 | <i>Inspection of Plants for Symptoms of Suspect Myrtle Rust</i> |

4. DEFINITIONS

- | | |
|-----------------|--|
| accredit | means to accredit persons to issue Assurance Certificates under section 21 of the <i>Plant Protection Act 1989</i> . |
|-----------------|--|

an approved fungicide	means those fungicides that are registered on label for the use and also those other fungicides that have been approved for the use under an APVMA permit for treatment of Myrtle rust.
Application for Accreditation	means an <i>Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement</i> [FDU 385].
APVMA	means the Australian Pesticides and Veterinary Medicines Authority.
Authorised Inspection Person	means a person trained in the detection and recognition of symptoms of suspect myrtle rust and who is authorised to conduct inspections on behalf of the business by having their name and signature on a register of authorised inspection persons maintained by the business.
approved training course	means an activity approved by DEEDI for the training and assessment of an Authorised Inspection Person.
approved taxonomist	means a person approved by the Accrediting Authority to identify suspect myrtle rust.
Assurance Certificate	means <i>Plant Health Assurance Certificate</i> [FDU 384].
Authorised Signatory	means a person whose name and specimen signature is included as an Authorised Signatory on the Business's Application for Accreditation.
Business	means the legal entity responsible for the operation of the facility and ICA arrangement detailed in the Business's Application for Accreditation.
Certification Assurance	means a voluntary arrangement between the Department of Employment, Economic Development and Innovation and a Business that demonstrates effective in-house quality management and provides assurance through documented procedures and records that produce meets specified requirements.
certified/certification	means covered by a valid <i>Plant Health Assurance Certificate</i> [FDU 384].
consignment	means a quantity of plants presented on one Plant Health Assurance Certificate by a single consignee. A consignment may contain a number of lots.
DEEDI	means the Department of Employment, Economic Development and Innovation.
end-point inspection	means the process by which a representative sample is drawn and inspected from the finalised consignment prior to certification.

facility	means the location where produce is assembled treated, inspected, stored, certified and dispatched.
growing container/unit	means a container used for growing plants (i.e. pot, cell, tube, bag etc) or a number of small plants in a cell tray or other container for growing plants.
homogeneous	means plants that are all of the same or similar kind or nature.
ICA	means Interstate Certification Assurance.
in-line inspection	means the process by which a representative sample of packed plants is drawn from a lot and inspected during the processing and packing of the plants.
Interstate Certification Assurance	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.
Inspector	means a person appointed as an Inspector under the <i>Plant Protection Act 1989</i> .
inspection	means the act of inspecting plants to determine if the entry conditions or requirements for myrtle rust of the importing State or Territory have been met.
lot	means a quantity of homogeneous plants assembled for inspection at one place at one time. A lot could consist of plants sourced from one or more growers/blocks/properties.
myrtle rust	means the disease caused by the fungal pathogen <i>Puccinia psidii/Uredo rangellii</i> .
nursery	means all defined areas on a property used to produce, store, handle and dispatch plants for commercial sale within a nursery. Including: <ul style="list-style-type: none"> • growing facilities i.e. glasshouses, polyhouses, shadehouses or growing beds etc; • sources of propagation material such as mother stock beds; • potting, packing and storage facilities; • media preparation and storage facilities; and • treatment, preparation, inspection and dispatch facilities.
nonconformance	means a nonfulfilment of a specified requirement.
package	means the complete outer covering or container used to transport and market plants i.e. cell, tube, pot, bag etc.

packed product	means for end-point inspection plants that have been packed into its final package i.e. tray, box, carton, trolley, pallet, cage etc.
	means for in-line inspection plants within a growing container (i.e. cell, tube, pot, bag etc) or a plant(s) that is bare rooted.
plants	means a living plant of the Myrtaceae family in media or bare rooted.
Plant Health Assurance Certificate	means a certificate issued by an Authorised Signatory under an ICA arrangement stating that the plant or other thing described on the certificate meets a specified treatment, condition, pest or area freedom or other requirement.
produce	means living plants but excludes seeds, underground parts and dried or processed plant materials.
symptoms	means plants that are showing suspect signs of myrtle rust infection i.e. pustules or spores.
unit	means one or more plants in a growing container/unit.

5. 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 carry out 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;
- maintaining Certificates of Attainment and a *Register of Authorised Inspection Persons* (refer [7.2](#));
- maintaining the required inspection facilities and equipment (refer [7.3](#));
- ensuring an inspection of the nursery to verify freedom from myrtle rust symptoms is carried out by an Inspector prior to making application for accreditation (refer [7.5](#));
- advising the Authorised Inspection Person of the rate and type of inspection to be undertaken for myrtle rust for each consignment (refer [7.7.2](#));
- ensuring actions taken by the Business following the detection of symptoms of suspect myrtle rust are in accordance with this Operational Procedure (refer [7.8](#)); and

- ensuring samples of suspected myrtle rust are taken and forwarded to an Approved Taxonomist for identification (refer [7.8.1](#)).

Authorised Inspection Persons are responsible for -

- successful completion of an approved training course in the detection and recognition of symptoms of suspect myrtle rust (refer [7.2](#));
- maintaining inspection facilities and equipment (refer [7.3](#));
- preparing and maintaining a Nursery Plan (refer [7.4](#));
- conducting an inspection of the nursery to verify freedom from myrtle rust symptoms (refer [7.5.1](#));
- maintaining nursery freedom records (refer [7.5.2](#));
- sampling and inspecting plants for the presence of suspect myrtle rust symptoms prior to certification under this Operational Procedure (refer [7.7](#));
- maintaining records of all myrtle rust inspections (refer [7.7.1](#));
- immediately advising the Certification Controller of any detection of symptoms of suspect myrtle rust (refer [7.8](#)); and
- taking samples of the plant(s) containing the symptoms of suspected myrtle rust (refer [7.8.1](#)).

The **Treatment Operator** is responsible for -

- ensuring all plants are treated in accordance with the requirements of this Operational Procedure (refer [7.6](#));
- ensuring treatment equipment is calibrated (refer [7.6.1](#));
- maintaining a *Treatment Mixture Preparation Chart* (refer [7.6.2](#)); and
- maintaining treatment mixture preparation and treatment records (refer [7.6.5](#)).

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 [7.9.1](#));
- ensuring an Assurance Certificate is completed and signed by an Authorised Signatory of the Business prior to consignment of plants to a market requiring certification of inspection and freedom from myrtle rust (refer [7.9.2](#)); and
- maintaining copies of all Assurance Certificates issued by the Business under the ICA arrangement (refer [7.9.3](#)).

Authorised Signatories are responsible for -

- ensuring, prior to signing and issuing an Assurance Certificate, that plants covered by the certificate have 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 [7.9.2](#)).

6. REQUIREMENT

Produce certified under this Operational Procedure must meet the following three (3) requirements:

1. The nursery of origin has been inspected by an accredited person (Authorised Inspection Person – myrtle rust) within fourteen (14) days of dispatch and found free from symptoms of myrtle rust;

and

2. All Myrtaceous plants:
 - (a) in the consignment have been treated with an approved fungicide* within seven (7) days of dispatch; or
 - (b) in the nursery all plants of the Myrtaceae family have been treated with an approved fungicide* twice within twenty-eight (28) days of despatch at fourteen (14) day intervals;

and

3. The consignment has been inspected at the rate of six hundred (600) plants or two percent (2%) of plants in the consignment and found free from symptoms of myrtle rust.

*Approved fungicides are:

(a) fungicides containing chlorothalonil, which contain label instructions relating to treatment of "rust" diseases on ornamentals; and

(b) other chemicals for which the Australian Pesticides and Veterinary Medicines Authority (APVMA) has issued a permit to treat myrtle rust on plants.

Use of any chemical products must be in accordance with the approved label instructions relating to the directions for use, rate of application and any critical use instructions that apply. Chemicals used under APVMA permit conditions must be used in conjunction with relevant approved label conditions.

The Department of Employment, Economic Development and Innovation and interstate quarantine authorities maintain the right to inspect certified produce at any time and to refuse to accept an assurance certificate where produce is found not to comply with specified requirements.

7. 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 (refer [Attachment 1](#)) at least 10 working days prior to the intended date of commencement of certification under the ICA arrangement.

7.1.2 Audit Process

Initial Audit

Prior to accrediting a Business, an initial audit of the Business is carried out to verify the ICA system is implemented 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.

The Business shall demonstrate the training and competency of nominated Authorised Inspection Persons (refer [7.2 Authorised Inspection Persons](#)) in the detection and identification of suspect symptoms of myrtle rust.

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 commencement of certification under the ICA arrangement by the Business.

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.

The accredited Business shall ensure the currency of competency of each nominated Authorised Inspection Person. The currency of competency for each Authorised Inspection Person nominated by the accredited Business shall be assessed by an ICA Auditor annually in conjunction with the compliance audit.

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 nonconformances.

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 certification of produce under the ICA arrangement.

A compliance audit is conducted within twelve weeks of the commencement of certification under the ICA arrangement by the Business each year.

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

7.1.3 Certificate of 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 covered;
- the type of produce covered;
- other restrictions on the accreditation; and
- the period of accreditation.

The Business must maintain a current Certificate of Accreditation and make this available on request by an Inspector.

A Business must not commence or continue certification of plants under the ICA arrangement unless it is in possession of a valid and current Certificate of Accreditation for the facility, procedure and produce type covered by the Assurance Certificate.

7.2 Authorised Inspection Persons

One or more Authorised Inspection Persons shall be trained and accredited as Authorised Inspection Persons. Authorised Inspection Persons shall have successfully completed an approved training course in the detection and recognition of symptoms of suspect myrtle rust.

The Certification Controller shall maintain an individual Certificate of Achievement for each Authorised Inspection Person within the Business.

The names and specimen signatures of Authorised Inspection Persons shall be recorded on a *Register of Authorised Inspection Persons* (refer [Attachment 4](#)) by the Certification Controller. Only persons currently on the register shall carry out nursery and consignment inspections for myrtle rust.

7.3 Inspection Facilities and Equipment

The Certification Controller shall maintain the following inspection facilities and equipment: –

- (a) a designated consignment inspection area;
- (b) a hand lens, microscope or other device that provides at least X10 magnification for the observation of suspected symptoms of myrtle rust;
- (c) reference illustrations and photographs for identification of suspect myrtle rust symptoms; and
- (d) equipment for collecting suspect specimens of plants showing suspect symptoms consistent with myrtle rust.

The Authorised Inspection Person shall carry out regular checks of the inspection facilities and equipment to ensure it continues to operate effectively and remains free from damage or excessive wear.

7.4 Preparing a Nursery Plan

An Authorised Inspection Person shall prepare and maintain a Nursery Plan.

The Nursery Plan shall include a diagram which indicates the following -

- (a) the location(s) of all areas within the nursery associated with the production of plants. These areas will include:
 - growing facilities i.e. glasshouses, polyhouses, shadehouses, growing beds, etc;
 - sources of propagation material such as mother stock beds;
 - staging (potting), packing and storage facilities;
 - media preparation and storage facilities; and
 - treatment, preparation, inspection and dispatch facilities.
- (b) for each location identified on the plan, the name of the location or location code used to identify the location.

The accredited Business shall provide a copy of the completed Nursery Plan with the business's Application for Accreditation.

A blank Nursery Plan is included as [Attachment 5](#) and may be copied for completion and inclusion with the Business's Application for Accreditation.

7.5 Nursery Freedom Inspection

The Certification Controller shall ensure an inspection of the nursery to verify freedom from myrtle rust symptoms is carried out by an Inspector no more than 14 days prior to the date of making application for accreditation under this Operational Procedure.

A myrtle rust nursery freedom statement or certificate, completed by an Inspector, containing the date and place (as described in the Nursery Plan) of the

inspection, the Inspector's name, and signature shall be submitted with the Business's Application for Accreditation.

7.5.1 Nursery Freedom Inspection

An Authorised Inspection Person shall conduct an inspection of the nursery to verify freedom from myrtle rust symptoms for plants within the nursery a minimum of fourteen (14) days prior to the dispatch of the plants.

The Authorised Inspection Person shall inspect the nursery by visually inspecting all plants of the Myrtaceae family within the entire nursery (as defined on the Nursery Plan) for suspect symptoms of myrtle rust.

Any plants showing suspect symptoms of myrtle rust shall be examined under X10 or greater magnification (refer [7.8.1 Handling Suspect Myrtle Rust Specimens](#)).

7.5.2 Nursery Freedom Inspection Records

The Authorised Inspection Person shall maintain records of all nursery freedom inspections carried out.

Nursery freedom inspection records shall be in the form a Myrtle Rust Nursery Freedom Record (refer [Attachment 6](#)) or records which capture the same information.

Nursery freedom inspection records must include:

- the accredited business name, street address and Interstate Produce (IP) number;
- the date of inspection;
- name and signature of the Authorised Inspection Person(s) conducting the inspection;
- the areas of the nursery inspected (as defined on the Nursery Plan); and
- the inspection results including freedom or presence of suspect myrtle rust symptoms.

7.6 Treatment of Plants

The Treatment Operator shall ensure that all plants within each consignment dispatched are treated in accordance with the registered label or a permitted use of a fungicide approved by the APVMA for the treatment of myrtle rust.

The Treatment Operator shall ensure that all Myrtaceous plants:

- within the consignment have been treated with an approved fungicide within seven (7) days of dispatch; or
- located within the nursery have been treated with an approved fungicide twice within twenty-eight (28) days of dispatch at fourteen (14) day intervals.

7.6.1 Treatment Equipment Calibration

The Treatment Operator shall ensure that permanent volume indicator marks shall be made on the side of the treatment mixture tank, on a sight tube or sight panel on the outside of the tank, or by some other method which clearly and accurately indicates the **maximum mixture level** and any **incremental volumes** used. Volume indicator marks shall include the volume in litres required to fill the tank to that level.

Each of the volume indicator marks shall be calibrated with the tank at the normal filling position using a calibrated flow meter or graduated measuring device. The person conducting the calibration test shall issue a certificate of calibration of the treatment mixture tank which must be available to the auditor at the initial audit and all compliance audits.

An example *Chemical Mixture Tank Calibration Certificate* [CAF-03] is shown as [Attachment 7](#).

A Tank Calibration Certificate is not required for small tanks where the capacity of the treatment mixture tank is less than 25 litres.

7.6.2 Treatment Mixture Preparation Chart

The Treatment Operator shall maintain a *Treatment Mixture Preparation Chart* (refer [Attachment 8](#)) or similar record in close proximity to the treatment mixture preparation area for each treatment application equipment unit used by the business for treatment under this Operational Procedure.

The chart shall provide the following details -

- identification of the treatment equipment to which the chart applies;
- the trade name of the concentrate to which the chart applies;
- the name and concentration of the active ingredient in the concentrate;
- the quantity of concentrate required per litre of mixture;
- the trade name of the wetting agent used (if required) and the quantity required per litre of treatment mixture;
- the total volume in litres of the treatment mixture tank when filled to the maximum mixture level mark (refer [7.6.1 Treatment Equipment Calibration](#));
- the volume in millilitres (mL) of concentrate and wetting agent (if required) in the mixture when filled to the maximum mixture level mark;
- the volume in millilitres (mL) of a concentrate and wetting agent (if required) in the mixture for any known incremental volumes used;
- the printed name and signature of the person responsible for the chart's preparation and the date of preparation.

7.6.3 Treatment Mixture Preparation

The Treatment Operator shall prepare the treatment mixture immediately prior to use.

The Treatment Operator shall:

- using a clean graduated measuring vessel, measure the amount of concentrate required for the required volume of mixture;

Suitable measuring vessels include graduated plastic or glass measuring cylinders or syringes.

- add the required amount of concentrate to the spray tank in accordance with the manufacturer's directions on the label or APVMA permit;
- add the required amount of commercial wetting agent (if required) in accordance with the manufacturer's directions on the label; and
- fill the mixture tank with clean water to the incremental volume mark or maximum mixture level mark.

Other ingredients may only be added to the treatment mixture if they are known to be compatible with the approved fungicide*.

The Treatment Operator will ensure that the chemical is completely diluted in all of the water by mixing the tank for a minimum of two minutes before commencing the spray operation. Some equipment may require extended periods of mixing to fully dilute the chemical in the water.

7.6.4 Treatment Application

The Treatment Operator shall ensure that all treatments are applied in accordance with the registered label or a permitted use of a fungicide approved by the APVMA for the treatment of myrtle rust.

7.6.5 Treatment Mixture Preparation and Treatment Records

The Treatment Operator must record details of all treatment mixture preparation and treatment of plants using a *Treatment Mixture Preparation and Treatment Record* (refer [Attachment 9](#)) or records which capture the same information.

The business's treatment records must identify -

- the date of treatment mixture preparation;
- the time of treatment mixture preparation;
- the trade name of the concentrate used;
- volume of concentrate used (millilitres) in the treatment mixture;
- volume of wetting agent used (millilitres) in the treatment mixture;
- the total volume (litres) of the made up treatment mixture;
- the date of treatment;
- the type of plants treated;

- the number of plants treated; and
- the identification of the Treatment Operator.

7.6.6 Disposal of Treatment Mixture

The Business must have an appropriate system to dispose of any waste treatment mixture in a manner consistent with the requirements of Queensland's Environmental Protection Agency and Local Government Authorities (Shire or City Councils etc).

7.7 Inspection of Plants

Following treatment (refer [7.6 Treatment of Plants](#)) plants within each consignment dispatched by the business shall be inspected to verify freedom from suspect myrtle rust symptoms by an Authorised Inspection Person. Plants shall be inspected and have samples taken in accordance with ICA Work Instruction *Inspection of Plants for Symptoms of Suspect Myrtle Rust* [ICA-WI-10].

Persons holding the role(s) (refer [5 Responsibility](#)) of Authorised Inspection Person and Certification Controller within this Operational Procedure should have read the definitions (refer [4 Definitions](#)) prior to conducting an inspection of plants.

Authorised Inspection Persons should take steps to assess workplace health and safety risks associated with the handling and inspection of plants which have been treated with an approved fungicide*. If necessary, the use of appropriate personal protective equipment may be required.

7.7.1 Inspection Records

The Authorised Inspection Person shall maintain records of all myrtle rust inspections. Inspection records shall be in the form of a *Myrtle Rust Inspection Record* (refer [Attachment 10](#)) or records which capture the same information.

Inspection records shall include –

- type of plants;
- date of inspection;
- place of inspection;
- type of inspection (inspection method – in-line or end point);
- rate of inspection (inspection rate – 2% or 600 units);
- details of each lot and consignment inspected i.e. package identification (IP No., name and address of grower and packer);
- number of packages sampled;
- number of units sampled in each package;
- total number of units sampled;
- if applicable, the time the sample was taken;

- total number of packages in the consignment or lot;
- the inspection results including absence or presence of symptoms of suspect myrtle rust;
- actions taken resulting from detection of suspected symptoms of myrtle rust;
- the number of the Assurance Certificate(s) to which the inspection relates;
- the name and signature of the Authorised Inspection Person.

7.7.2 Pre-inspection

Prior to the commencement of an inspection, the Authorised Inspection Person shall ascertain from the Certification Controller the type and rate of inspection. The Authorised Inspection Person shall then partially complete the *Myrtle Rust Inspection Record* (refer [Attachment 10](#)) to capture the following details: -

- type of plants (species and variety names);
- date of inspection;
- place of inspection;
- type of inspection (end-point or in-line);
- rate of inspection (sampling rate);
- name of Authorised Inspection Person;
- for end point inspection – the total number of packages in the consignment;
- for in-line inspections – the time the initial sample was taken; and
- any unique details on the packages within the consignment which identifies the consignment inspected i.e. name and address of grower and or packer.

Inspection records shall be in the form of a *Myrtle Rust Inspection Record* (refer [Attachment 10](#)) or records which capture the same information.

The Authorised Inspection Person shall ensure plants are inspected for signs of suspect myrtle rust as close as practicable and not more than 48 hours prior to the time of dispatch from the facility. Plants shall be inspected individually.

The Authorised Inspection Person shall ensure that the samples taken for inspection are representative samples of the whole consignment or lot as described on the *Myrtle Rust Inspection Record*. Additionally, the Authorised Inspection Person must consider additional factors when selecting a sample from a mixed consignment or lot (refer ICA Work Instruction *Inspection of Plants for Symptoms of Suspect Myrtle Rust* [ICA-WI-10]).

All plants in a consignment of certified produce shall be sampled in accordance with Section [7.7.3 Sampling for End-point Inspection](#) or Section [7.7.4 Sampling for In-line Inspection](#).

7.7.3 Sampling for End-point Inspection

Prior to selecting a sample for an end-point inspection, the Authorised Inspection Person will ensure that the entire amount of plants within the consignment or lot is available for inspection. Each consignment of plants to be certified shall be sampled at the rate of -

- A minimum of 2% of the carton count (one in every fifty packages) or part thereof; or
- 600 units.

Packages shall be selected at random from within the consignment. A minimum of three (3) packages shall be selected for inspection.

7.7.4 Sampling for In-line Inspection

In-line inspections can only be performed at facilities where plants are being grown and packed.

For in-line inspections, the Authorised Inspection Person must inspect all plants within a defined inspection area using the appropriate inspection facilities and equipment (refer [7.3 Inspection Facilities and Equipment](#)). Examples of acceptable methods of identifying an inspection area include -

- signage on the outer perimeter clearly identifying the inspection area; or
- a barrier system using tape or similar that clearly identifies the inspection area.

A designated inspection area can be portable and move to different areas within the accredited Business's facility.

The in-line inspection shall involve selection of a sample of plants from a lot, packed on the one day for certification under this procedure. Plants shall be sampled at the rate of a minimum of 2% of the carton count (one in every fifty packages or part thereof) or 2% of the total growing units; or 600 units, and be selected at random from the final packed product.

7.7.5 Finalising Inspection Record

Following the inspection, the Authorised Inspection Person shall record the following details on the *Myrtle Rust Inspection Record* (refer [Attachment 10](#)) or records which capture the same information -

- the number of packages sampled;
- the number of units sampled in each package;
- total number of units sampled;
- the inspection result (pass or fail);
- the signature of the Authorised Inspection Person; and
- actions taken resulting from a detection of symptoms of suspect myrtle rust.

7.8 Action Following Detection of Symptoms of Suspect Myrtle Rust

If symptoms of suspect myrtle rust are detected during a nursery inspection (refer [7.5 Nursery Freedom Inspection](#)), inspection of plants (refer [7.7 Inspection of Plants](#)) or at any other time an Authorised Inspection Person shall immediately advise the Certification Controller of any detection.

Immediately following detection of suspect myrtle rust symptoms the Certification Controller shall:

- contact the Accrediting Authority and advise that suspect myrtle rust symptoms have been detected;
- cease the certification of plants under this procedure until advised by the Accrediting Authority;
- ensure a sample of the plant containing the suspect myrtle rust symptoms is collected for identification; and
- immediately treat all plants with suspect symptoms with an approved fungicide*.

Following diagnosis of the suspect sample the Certification Controller shall immediately contact the Accrediting Authority and advise of the diagnostic result.

Where an Approved Taxonomist identifies a suspect sample as not to being myrtle rust, the Business may continue, subject to the approval of the Accrediting Authority, to certify plants in accordance with the requirements of this procedure.

Where the presence of myrtle rust is confirmed by an Approved Taxonomist the Accrediting Authority shall immediately suspend the accreditation of the business.

The Business may seek reinstatement of the accreditation by undertaking the following actions -

- treatment of all plants within the nursery (as defined on the Nursery Plan) with an approved fungicide* for the treatment of myrtle rust; and
- inspection of the nursery (as defined on the Nursery Plan) for freedom of myrtle rust symptoms is carried out by an Inspector 15 days following treatment.

Following receipt of a statement from an Inspector that the nursery is free from myrtle rust symptoms the Business's accreditation may be re-instated by the Accrediting Authority.

7.8.1 Handling Suspect Myrtle Rust Specimens

Suspect myrtle rust samples shall be handled, stored and dispatched in accordance with ICA Work Instruction *Inspection of Plants for Symptoms of Suspect Myrtle Rust* [ICA-WI-10].

7.8.2 Sampling Suspect Myrtle Rust

Following notification of suspect myrtle rust the Certification Controller shall ensure an Authorised Inspection Person takes a sample of the plant(s) containing the symptoms of suspected myrtle rust.

Immediately following the taking of a sample the Authorised Inspection Person shall prepare a myrtle rust Sampling Submission Form and arrange transport and identification of the sample by an Approved Taxonomist.

Taxonomists shall be registered on the DEEDI's Plant Health Register of Approved Taxonomists and must meet the following criteria –

- (a) A tertiary qualification in plant pathology, agricultural science, applied science, or a field relevant to plant disease taxonomy; and
- (b) Demonstrated experience in plant disease taxonomy.

The Authorised Inspection Person shall record the following details on the *Sample Submission Form* (refer [Attachment 11](#)) -

- the name of the Authorised Inspection Person taking the sample;
- the Interstate Produce (IP No.) number of the accredited Business inspecting the produce;
- the name and address of the grower and packer or Interstate Produce (IP No.) number of the source property;
- the type of plant(s) including Genus and Species from which the sample was taken;
- the date the sample was taken;
- the date the sample was submitted to an approved taxonomist;
- the contact telephone number, e-mail and fax number of the Authorised Inspection Person; and
- the type of sample, diagnosis request and sample details.

The Authorised Inspection Person shall seal the sample of suspect myrtle rust into a sealable plastic bag with the sample submission form, then forward, the sample by secured means to an Approved Taxonomist within 24 hours of taking the sample.

7.9 Dispatch

7.9.1 Package Identification

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

- the Interstate Produce number of the Business that certified the plants;
- the words "MEETS ICA-42"; and
- the date (or date code) on which the plants were packed;

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

For plants that are consigned loose and not in packages, identification shall conform to one of the following requirements depending on the specified requirements of the importing State or Territory:

- the above information is written on the consignment note or the invoice accompanying the plants and signed and dated by an Authorised Signatory of the business certifying the plants; or
- each plant has a tag or label securely attached to it that includes the above information; or

- the plants are sealed in an enclosed vehicle or container and the seal number (where possible) is included on the assurance certificate accompanying the consignment.

Produce that has not been inspected in accordance with the requirements of this Operational Procedure shall not be marked as stated above.

7.9.2 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 plants to a market requiring certification of inspection and freedom from myrtle rust.

Assurance Certificates shall be in the form of a *Plant Health Assurance Certificate* [FDU 384].

Assurance Certificates shall include –

- (a) in the ‘Accredited Business that Prepared the Produce’ section -
 - the name and address of the accredited Business that **certified the plants**;
- (b) in the ‘IP No. of Acc. Business’ section -
 - the IP No. of the accredited Business that **inspected and treated the plants**;
- (c) in the ‘Type of Plant Material’ section -
 - the **number and description** of **each type** of produce in the consignment;

NOTE: Where there is insufficient room to list each produce category the words “See Attachment” are to be used and an Attachment Sheet securely attached to each copy of the assurance certificate.

The Attachment Sheet must include the words ‘ATTACHMENT SHEET’, the name and address of the consignor, the assurance certificate number, the signature of the Authorised Signatory that signed the certificate and the date.

An example Attachment Sheet is shown as [Attachment 3](#).

- (d) In the ‘Treatment’ section –
 - in the Date column, the most recent date or dates of treatment;
 - in the Treatment method applied i.e. cover-spray, spray to run-off, etc;
 - in the Chemical (Active Ingredient) column, the name of the active constituent for the chemical used i.e. Triadimenol, Mancozeb or Propiconazole;
 - in the Concentration column, the rate of application per 100L water; and

- leave the Duration and Temperature column blank.
- (e) in the 'Additional Certification' section the statement -

"Meets ICA-42".

A completed example is shown as [Attachment 2](#).

Individual Assurance Certificates shall be issued to cover each consignment (i.e. a discrete quantity of product transported to a single consignee at one time) to avoid splitting of consignments.

Prior to issuing an Assurance Certificate, the Authorised Signatory shall reconcile the plants to be certified with the relevant Myrtle Rust Inspection Record and record the Assurance Certificate number(s) on the corresponding Myrtle Rust Inspection Record.

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

7.9.3 Assurance Certificate Distribution

The **original** (yellow copy) must accompany the consignment.

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

7.10 ICA System Records

The Business shall maintain the following records -

- nursery freedom inspection records;
- treatment records;
- inspection records;
- myrtle rust training record for each Authorised Inspection Person;
- a register of Authorised Inspection Persons;
- myrtle rust Sampling Records; and
- the duplicate copy of each *Plant Health Assurance Certificate* [FDU 384] issued by the Business (refer [7.9.3](#)).

ICA system records shall be retained for a period of not less than 12 months from completion or until the next compliance audit of the Business, 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.

7.11 ICA System Documentation

The Business shall maintain the following documentation -

- (a) a copy of the Business's current Application for Accreditation (refer [Attachment 1](#));
- (b) a copy of the Nursery Plan
- (c) a current copy of this Operational Procedure;
- (d) a current *Certificate of Accreditation for an Interstate Certification Assurance Arrangement*.

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

8. ATTACHMENTS

Attachment 1	<i>Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement</i>	FDU 385 (FRONT PAGE ONLY)
Attachment 2	<i>Plant Health Assurance Certificate</i>	FDU 384 (COMPLETED EXAMPLE)
Attachment 3	<i>Plant Health Assurance Certificate - Attachment Sheet</i>	(COMPLETED EXAMPLE)
Attachment 4	<i>Register of Authorised Inspection Persons</i>	(BLANK)
Attachment 5	<i>Nursery Plan</i>	(BLANK)
Attachment 6	<i>Myrtle Rust Nursery Freedom Record</i>	(BLANK)
Attachment 7	<i>Chemical Mixture Tank Calibration Certificate</i>	(BLANK)
Attachment 8	<i>Treatment Mixture Preparation Chart</i>	(BLANK)
Attachment 9	<i>Treatment Mixture Preparation and Treatment Record</i>	(BLANK)

[Attachment 10](#) *Myrtle Rust Inspection Record* **(BLANK)**

[Attachment 11](#) *Sample Submission Form* **(BLANK)**

Application for Accreditation of a Business for an Interstate Certification Assurance (ICA) Arrangement

Indicate the type of application being made

- New
 Renewal
 Amendment

Tick each box that describes your business and the type of application and provide specific details where required. Only one ICA arrangement, that is one Operational Procedure at one facility, may be covered in one application.

1. Business Details

(a) Type of Ownership of Business

- Individual
 Incorporated Company
 Other
- Partnership
 Cooperative Association

(please specify)

(b) Name of Applicant/s *(Print your full name including any given names. For partnerships, print the full name of each partner in their normal order. For incorporated companies and cooperatives, print the full registered name of the organisation.)*

Australian Company Number or Australian Registered Body Number

- ACN
 ARBN

Companies must provide proof of incorporation by attaching a copy of their Certificate of Incorporation or similar document from the Australian Securities Commission. Cooperative associations must provide a copy of their Certificate of Registration or a registration search from the Department of Justice.

(c) Trading Name/s of the business *(include any business or brand names used by the business on packages of certified produce)*

(d) Postal address of the business

.....

.....

Postcode

Telephone	()
Facsimile	()
Mobile	

(e) Has the business been registered previously in Q'ld for the interstate movement of produce?
 No
 Yes
 If yes, give the business's Interstate Produce (IP) Number **Q**

Q

2. Operational Procedure and Facility Details

(a) Operational Procedure used in this ICA arrangement *(refer to list of Operational Procedures)*

Reference No.

I C A

If the Operational Procedure is documented in two parts, indicate the part or parts for which you are seeking accreditation.

- Part A
 Part B
 Parts A & B

Title of Operational Procedure *(print the full title of the Operational Procedure)*

(b) Street address of the facility

.....

.....

Postcode

Telephone	()
Facsimile	()
Mobile	

3. Authorised Signatories *(for Assurance Certificates)*

	Family Name	Given Name/s	Specimen Signature
Certification Controller			
Back-Up Certification Controller			
Additional Authorised Signatories			



ORIGINAL

Plant Health Assurance Certificate

Original (yellow) - Consignment copy Duplicate (white) - Business copy

Consignment Details (Please print)

Consignor

Name Tropical Plant Nursery P/L

Address Plantation Road
Atherton NQ 4883

Certificate Number 9999999

Consignee

Name Plant Wholesalers P/L

Address Market City
Flemington VIC 3001

Reconsigned To (Splitting consignments or reconsigning whole consignments)

Name

Address

Method of Transport (Provide details where known)

Road Truck/Trailer Registration

Rail Consignment

Air Airline/Flight no.

Sea Vessel Name & Voyage no.

Certification Details (Please print)

Accredited Business that Prepared the Produce

Name Tropical Plant Nursery P/L

Address Plantation Road
Atherton NQ 4883

Grower or Packer

Name Tropical Plant Nursery P/L

Address Plantation Road
Atherton NQ 4883

IP No. of Acc. Business Brand Name or Identifying Marks (as marked on packages) Date Code (as marked on packages)

Q 9999 Tropical Plants 106003

Facility No.	Procedure Code	Expiry Date	Facility No.	Procedure Code	Expiry Date
01	ICA-42	29/01/12			/ /

Number of Packages	Type of Packages (eg. trays, cartons)	Type of Produce	Authorisation for Split Consignment
1	Carton	Mixed Plants	
1	Carton	Mixed Plants	
1	Carton (See Attachment)	Mixed Plants	

Date	Treatment	Chemical (Active Ingredient)	Concentration	Duration and Temperature
/ /	<input type="checkbox"/> Dipping	Dimethoate	400ppm	<input type="checkbox"/> One min. <input type="checkbox"/> 10 sec. then wet for 60 sec.
/ /	<input type="checkbox"/> Dipping	Fenthion	412.5ppm	<input type="checkbox"/> One min. <input type="checkbox"/> 10 sec. then wet for 60 sec.
/ /	<input type="checkbox"/> Flood Spraying	Dimethoate	400ppm	10 seconds then wet for 60 seconds
/ /	<input type="checkbox"/> Flood Spraying	Fenthion	412.5ppm	10 seconds then wet for 60 seconds
/ /	<input type="checkbox"/> Non-recirculated Spray	Fenthion	412.5ppm	10 seconds then wet for 60 seconds
/ /	<input type="checkbox"/> Fumigation	Methyl Bromide	g/m ³	Two hours @ °C
/ /	<input type="checkbox"/> Heat treatment	<input type="checkbox"/> Hot Air <input type="checkbox"/> Hot Water		min. @ °C
23/01/12	<input checked="" type="checkbox"/> spray	copper oxychloride	300g/100L	To run off
/ /	<input type="checkbox"/> Bananas in a hard green condition with unbroken skin			

Additional Certification

Meets ICA-42

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 accreditation(s) granted to the business under the *Plant Protection Act 1989* and that the details shown above are true and correct in every particular.

Authorised Signatory's Name (Please print)

Arthur John Signatory

Signature

AJ Signatory

Date

23 01 12

ATTACHMENT SHEET

Plant Health Assurance Certificate No. 9999999

Consignor –

Tropical Plant Nursery Pty Ltd
Plantation Rd
Atherton QLD 4883

Carton No.	No. and Size of Items	Type of Plant Material
1	10 X 75 mm pots	Small Leaf Lillypilly (<i>Syzygium luehmannii</i>)
1	10 X 75 mm pots	Lemon Scented Myrtle (<i>Backhousia citriodora</i>)
2	10 X 75 mm pots	Geraldton wax (<i>Chamelaucium uncinatum</i>)
2	10 X 75 mm pots	New Zealand Christmas bush (<i>Metrosideros thomasi</i>)
3	10 X 75 mm pots	Weeping tea tree (<i>Melaleuca fluviatilis</i>)
3	10 X 75 mm pots	Broad-leaved paperbark (<i>Melaleuca quinquenervia</i>)

Authorised Signatory -

Arthur John Signatory

Printed Name

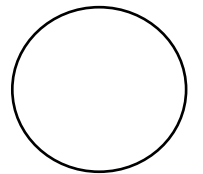
A J Signatory

Signature

Date

23, 01, 12

NURSERY PLAN



INDICATE NORTH

CHEMICAL MIXTURE TANK CALIBRATION CERTIFICATE

EQUIPMENT CALIBRATED

Name and Address of
Owner of Equipment:

Type of equipment
(eg boom spray, mister):

Brand:

Model:

Serial No.:

Other Identification:

TESTING DETAILS

Name and Address of the
Business Conducting the
Test:

Date of Testing:

Type of calibration device:
Date of Latest Calibration
of Flow Meter:

CALIBRATION RESULTS

Maximum Mixture Level Volume (litres)

Incremental Volumes (litres)
(as marked on the spray tank):

CERTIFICATION

The spray mixture tank on the equipment described above has been calibrated in the normal filling position using a calibrated flow meter. Volume indicator marks have been clearly marked on the tank with the volume in litres required to fill the tank to that level.

Printed Name

Signature

____ / ____ / ____
Date

TREATMENT MIXTURE PREPARATION CHART

Treatment Unit _____

Concentrate (*Trade Name*) _____

Active Ingredient _____ Conc. _____ g/L

Concentrate Mixing Rate _____ mL/litre of mixture

Wetting Agent (*Trade Name*) _____

Wetting Agent Mixing Rate _____ mL/litre of mixture

Full Tank

Full Treatment Tank Volume = _____ Litres

Volume of Concentrate = _____ millilitres

Volume of Wetting Agent = _____ millilitres

Part Fill

_____ mL Concentrate and

_____ mL Wetting Agent / _____ Litres Mixture

_____ mL Concentrate and

_____ mL Concentrate / _____ Litres Mixture

_____ mL Concentrate and

_____ mL Concentrate / _____ Litres Mixture

Prepared by: _____ / /
Printed Name Signature Date

MYRTLE RUST INSPECTION RECORD

Date of Inspection				Package Identification	
Place of Inspection				IP Number	
Name of Authorised Inspection Person				Name & Address of Grower and or Packer <small>(if multiple, list in comments/findings column)</small>	
Inspection Type <input type="checkbox"/> End-point <input type="checkbox"/> In-line				Produce Type <small>(if multiple, list in comments/findings column)</small>	
Inspection Rate <input type="checkbox"/> 600 Unit <input type="checkbox"/> 2%				Total Number of Packages in Consignment/Lot <small>(list separately if multiple commodities)</small>	
Notes:				PHAC No(s)	
Package No.	Time sample taken (in-line only)	Number of Units	Total Number of Units	Comments/Findings	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
Pass		Fail		Signature of Authorised Inspection Person:	
Actions resulting from a suspected detection of myrtle rust					

SAMPLE SUBMISSION FORM

AUTHORISED INSPECTION PERSON DETAILS

Authorised Inspection Person Name	<input style="width: 95%;" type="text"/>	IP Number of Accredited Business	<input style="width: 95%;" type="text"/>
Name and address of grower/packer or IP number of the produce that sample was taken	<input style="width: 95%; height: 80px;" type="text"/>	Type of produce & quantity from which sample was taken	Type of produce:
			Quantity of produce:
Date sample was taken	<input style="width: 95%;" type="text"/>	Date sample was submitted to Diagnostician	<input style="width: 95%;" type="text"/>
Contact Telephone No	<input style="width: 95%;" type="text"/>	Email/Fax No	<input style="width: 95%;" type="text"/>

SAMPLE DETAILS

Type of Sample: <small>(e.g. insect, leaves, seeds)</small>	<input style="width: 95%;" type="text"/>
Diagnosis request: <small>(e.g. identify insect, disease, seed)</small>	<input style="width: 95%;" type="text"/>
<p>Sample details:</p> <p>Describe where, when and how the sample was taken. Include the type produce or crop the sample was taken from, who took the sample and why diagnosis is required.</p>	<input style="width: 95%; height: 100px;" type="text"/>

DIAGNOSIS DETAILS - For Diagnostician Use Only

Date Sample Received	<input style="width: 95%;" type="text"/>	Date Sample Diagnosed	<input style="width: 95%;" type="text"/>
Diagnosis Result	<input style="width: 95%; height: 80px;" type="text"/>		
Method of Diagnosis	<input style="width: 95%; height: 80px;" type="text"/>		
Comments	<input style="width: 95%; height: 80px;" type="text"/>		
Diagnostician Name	<input style="width: 95%;" type="text"/>	Diagnostician Position	<input style="width: 95%;" type="text"/>
Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>